

LIFE



COAST GUARD SKIPPER

DECEMBER 14, 1942

10 CENTS

YEARLY SUBSCRIPTION \$4.50

These are the things we are fighting for



The right of men and women to worship God in
the church of their choice

Some day we will again be making the Community
Silverware you love, but now all our skills and facilities
are being devoted to the war that must be fought and
won. Meanwhile, in messages like this, we try to express
the things for which America is fighting.*



ARMY-NAVY "E" AWARDED
TO ONEIDA LTD.

*TRADE MARK

COPYRIGHT 1942, ONEIDA LTD.



A little Child kneels
And lifts Her Heart in Prayer.
Her Face speaks of Trust,
Of Faith in a Bright Future.



We see her then—a Woman Sympathetic
and Smiling—With a Smile that owes
much to her Lifelong use of Ipana and Massage!

FOR HER, tonight is friendly and tomorrow bright! All around her is evidence of her parents' and teachers' devotion—of the careful thought that shapes her future.

Lucky little American, the love and care that surrounds her now will show one day in the proud way she faces the world—happy and confident—and smiling.

Yes, smiling! For even now this little girl knows a lesson in dental health that many an adult has

still to learn. In thousands of classrooms* all over the country, youngsters are being taught this vital dental truth—that *firm, healthy gums* are important to sound teeth and sparkling smiles.

Never Ignore "Pink Tooth Brush"

If you notice a tinge of "pink" on your tooth brush—see your dentist. It may not be serious, but let him decide. He may say your gums have become sensitive because today's soft foods have robbed them of exercise. And, like many dentists, he may suggest "the help of Ipana and massage."

For Ipana is designed not only to clean teeth thoroughly but, with massage, to aid the gums.

When you massage your gums with Ipana, that stimulating "tingle" means gum circulation is increasing—helping gums to healthier firmness.

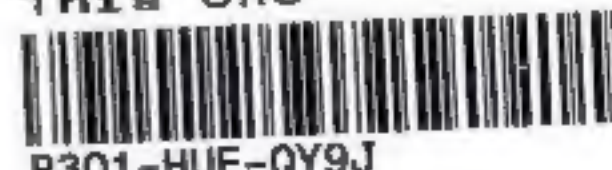
With Ipana and massage, help yourself to brighter teeth, firmer gums, a more sparkling smile.



Ipana Tooth Paste

Product of Bristol-Myers

This One



R3Q1-HUE-QY9J

*In 1941 at the request of over 85,000 teachers, Ipana provided charts, teaching helps and other material for use in dental hygiene classes in American schools.

Pro-phy-lac-tic REFUSES



Next time you buy a tooth brush, keep this in mind: Years of laboratory research have produced amazing new synthetic bristles . . . better, longer-lasting than natural bristle.

And among the new synthetic tooth brush bristles being marketed under various trade names, far and away the best are those made by du Pont.

PROLON — no finer bristle made

"Prolon" is our name for the very finest grade of this synthetic bristle that du Pont makes. So, when you read or hear competitive tooth brush claims, ask yourself this: How can the same du Pont bristle, in another brush under another name, last longer or clean better than under the name "Prolon" in a Pro-phy-lac-tic Tooth Brush. You know

the answer . . . it can't!

Pro-phy-lac-tic's big plus is that Prolon is the only synthetic bristle that is rounded at the ends.

Yes, under a special patented process, exclusive with Pro-phy-lac-tic, we smooth and round the end of each and every Prolon bristle in the Bonded Pro-phy-lac-tic Tooth Brush. See for yourself how much gentler these round ends are on tender gums!

Only PROLON has "round ends"

Remember, no other tooth brush has this important feature. So, next time you buy a tooth brush get the best you can buy for your money . . . get the Bonded Pro-phy-lac-tic Tooth Brush — the only tooth brush, by the way, with a written six-month guarantee.

... and don't miss this new line of hair brushes in gleaming Jewelite!

Pro-phy-lac-tic's latest triumph! Dresser and toilet brushes in crystal-clear plastic. Choice of four gleaming, jewel colors. Transparent Jewelite backs. Moisture-resistant, snow-white Prolon bristles. \$1.50 to \$10.00 — at most brush-goods counters. Illustrated: Roll-Wave, a unique "curved-to-the-head" brush . . . with comb, \$4.50



PRO-PHY-LAC-TIC BRUSH CO., Florence, Mass.

LETTERS TO THE EDITORS PURITAN SPIRIT

Sirs:

The Puritan Spirit which appears in LIFE (Nov. 23) at this Thanksgiving time is such a feast of historical information, and so eminently fair in depicting both the noble and the base in the Puritan tradition, that it makes me rejoice that I live in this country.

ROBERT F. BAUER

Washington, D. C.

Sirs:

Congratulations for your article, The Puritan Spirit. The Puritan spirit of our forefathers has lived on to make America the greatest democracy in the world.

America, now engaged in the greatest struggle of its history, will win this war of survival with the conviction and spirit that man must stay free.

America will play a major role so that all peoples over the world will enjoy freedom in the post-war world.

CHESTER BRYANT

Knoxville, Tenn.

Sirs:

Hearty congratulations on your pictorial essay, The Puritan Spirit.

It really "hits home." It masterfully delineates some of the reasons that impelled our forefathers to set out for these shores, what hard-won methods of government they established for themselves, and for what they were willing to live and die. This essay clearly defines some of the "fundamental principles" about which we have been hearing of late.

From studies such as these we readily absorb much of these early philosophies, and they can do a lot toward helping to clarify our thinking, particularly where post-war aims are concerned.

CHARLES L. DYER

Cambridge, Mass.

Sirs:

May I congratulate LIFE on its superb photograph of the Unitarian Church in Groton, Mass. It admirably symbolizes the spirit of the Puritans described so effectively further in the issue.

STEPHEN H. FRITCHMAN

Acting Editor

Christian Register
Boston, Mass.

Sirs:

Your article on Salem witchcraft trials is very interesting indeed. As a boy and a lifelong resident of the old "hill," I often showed tourists where the "witches" were supposed to have been hanged. While serving as park commissioner I also acted for the board in negotiating the purchase of land for a memorial to commemorate the abolition of the witchcraft delusion in Salem, Mass.

Might I call your attention to the fact, therefore, that the old but progressive city of Salem, Mass. likes to remember the event depicted in your excellent publication only because it was here that the delusion was halted, in all forms we hope, for all time; and men's minds started again on the long and hard road to freedom of thought. This was an important event in world history for that reason.

The unique feature about the Salem trials was that they marked the beginning of dissent in high places, admittedly threatened, against the despicable practice.

JOHN J. BROPHY

Witch Hill, Salem, Mass.

Sirs:

I note with pleasure that you reproduced in colors (LIFE, Nov. 23), the U. S. Naval Academy Museum's painting of Embarkation of the Pilgrims from Southampton by Edward Moran but regret to note that correct credit is not given.

You have given credit to the Naval Academy which does not own the painting. It was given to the U. S. Naval

(continued on p. 4)

"Can't YOU see that?"



"I FELT FOOLISH when the boss pointed out that last mistake to me. I couldn't understand how it could have happened. And when he asked angrily what was the matter with my eyes, I began to wonder myself. I decided to have them examined right away."



"NO MORE MISTAKES now! You see, the eye examination showed I was sensitive to glare, and the high-lights on the gleaming metal I work with not only confused my vision but also were the cause of my mysterious headaches. That's why Soft-Lite Lenses were prescribed for me. And Soft-Lite cleared up everything!"

America needs your eyes!

You owe it to yourself, to your job, and to your country to be certain that poor eyesight is not slowing you down. Even if you now wear glasses, have your eyes examined. You may have outgrown your lenses, or today you may need the extra protection that Soft-Lite Lenses provide against glare. These modern lenses filter out glare, absorb excess brilliance, restore normal eye comfort. They are ground to your own prescription, and are flesh-toned, better looking. Ask about them when you have your eyes examined!

There is only
one Soft-Lite—identified
by this certificate.



Soft-Lite Lenses

Soft-Lite Lenses are made by Hensch & Lamb solely for the Soft-Lite Lens Company, Squibb Building, New York, N.Y.



"Why not take her up for the afternoon and see how she flies!"

YOU'LL FIND yourself browsing around an airplane showroom some day soon. And when you do, you'll have the pleasant task of selecting the right model for your family—sedan or coupe. Like as not, your wife will have definite preference as to color . . . and that, too, will play a big part in "making up your mind."

How far away is the day when this will happen?

Only as far as the day of Victory.

Because every airplane manufacturer in America, now producing for Victory, has his eye on the future.

Today, it's trainers and fighters and bombers that are rolling off production lines.

Tomorrow those planes will be designed for you and your family to fly. They'll have trunk racks in place of bomb racks. The little black

button that now releases hundreds of bullets a minute will light your cigarette. You'll stow your golf bag in the compartment that used to carry extra fuel.

Nothing surprises the men who've grown up with aviation. Because they've seen the impossible accomplished so many times in so few years. Once it was risky to land because tires were an unknown quantity. Then B. F. Goodrich engineers developed a low pressure airplane tire that made smooth landings and take-offs routine.

Once stopping and turning a plane was as much a matter of luck as it was skill. And then B. F. Goodrich perfected the Expander Tube Brake to give every pilot the

utmost in ground control.

Once it was foolhardy to fly through icing conditions. Then came the B. F. Goodrich De-Icer to tell ice just where to get off.

Today, more than 80 aviation products come from the B. F. Goodrich Aeronautical Division. They go to the air forces of the United Nations. But it won't be long before B. F. Goodrich is supplying equipment for the plane you want to buy. Keep that in mind when you take her up for the afternoon to see how she flies.



Skyway or Highway

B.F. Goodrich

FIRST IN RUBBER



HERE ARE SOME FAMOUS
AMERICAN TRAINING PLANES
THAT ARE SUPPLIED WITH
B. F. GOODRICH EQUIPMENT



CESSNA
CRANE



BEECH
ADVANCED TRAINER



NORTH AMERICAN
HARVARD

NERVOUS?
LACK
RESISTANCE?
TIRED?
VITAMIN
STARVED?

HALF ALIVE?

IF YOU'RE weary, unhappy, vitamin-starved—don't make excuses. Don't pretend you can't feel better, because you can. And Vimms can help you do it.

When you buy Vimms, two of the world's best vitamin authorities back your choice. For Vimms match U. S.

Government standards. And they meet the 6-vitamin formula doctors endorse. See chart below.

Vimms gives you Vitamins A, C, D and all three essential B-Complex vitamins—B₁, B₂, P-P. Three vital minerals too. And all this for a few pennies a day!

If you would like a free sample of Vimms, just drop a post card to Lever Brothers Company, Dept. L-1, Pharmaceutical Division, Cambridge, Mass.

NOTE TO LADIES: no calories, non-fattening.

24 tablets...50¢ 96 tablets...\$1.75 At Your Druggist's

GET THAT VIMMS FEELING!

DOCTORS ENDORSE 6-VITAMIN FORMULA*		
Gov't recommendations on which medical standards are based		See how 3 Vimms meet or exceed these standards
VITAMIN		
4,000 USP Units	A	5,000 USP Units
1,000 micrograms	B₁	1,000 micrograms
2,000 micrograms	B₂	2,000 micrograms
400 USP Units	C	600 USP Units
400 USP Units	D	500 USP Units
10,000 micrograms	P-P (Pantoic Acid)	10,000 micrograms
In addition, Vimms supply these vital minerals:		
CALCIUM 375 mgs.		
PHOSPHORUS 250 mgs.		
IRON 10 mgs.		
*Further information on request		



6 vitamins AND 3 minerals
in each tasty VIMMS tablet

LETTERS TO THE EDITORS

(continued)

Academy Museum which is something different. It takes a special act of Congress to present things to the Naval Academy but not to the Museum.

CAPTAIN H. A. BALDRIDGE,
U. S. N. (Ret.)
Curator

U. S. Naval Academy Museum
Annapolis, Md.

CAMPUS FOLKWAYS

Sirs:

LIFE, whose editors and reporters might be expected to know more about it, drew a picture (Nov. 23) of the closing of the colleges as the termination of jitterbugging, check-to-check dancing, fond goodnights, apple-polishing, moozing, fraternity pins, talking in the library, etc. Whether or not Indiana U. is an exception which conforms to the widely-held stereotype, I do not know. Certainly your picture of what has been going on at the colleges is grossly misleading. What you forgot to mention: the typical student attends classes from 20 to 40 hours a week, studies for an equal period of time, and often holds down a job. Furthermore, I positively do not believe a student, even if she be a pretty coed, would ever seat herself on top of a professor's desk—say it isn't so!

MARK HEYMAN

City College '44
New York, N. Y.

Sirs:

Listen, Mister, take it easy! We college kids have had enough of the popular idea that our institutions of learning are a four-year country club and matrimonial bureau. Our campus is no isolated, ideal, coke-dating, class-cutting affair! Joe College has died a natural death. Why don't you leave him undisturbed in his grave of the 1920's?

Is it fair to present to a whole nation the idea that colleges are still in the playboy state? Please wake up and see what we students are doing today!!

HELEN LEE HENSLEIGH

University of Iowa '44
Iowa City, Iowa

Sirs:

You are probably right in supposing that there are some colleges which need a violent jolt to make them conscious of the war. However, it is wholly unjust to present the public with an idea that colleges, in general, remain a "fantasy of jive and juleps" while a war rages 'round our heads.

HAVEN W. MANKIN

Washington and Lee University
Lexington, Va.

Sirs:

I read with interest your article on the University of Indiana.

I do not, as many of my friends, think that your article gave a false picture of things as they are. I rather think that it under-pictured conditions which every hard-working student abhors. However, I do not think that it was typical of the average student. As in a good many cases, the noisy ways of doing things stand out whether they are done by most of the people or not. Being a rather lowly Indie (Independent) I am one of those who dislike the fraternity and sorority practices which are supposed to create a feeling of brotherhood and to teach men to live together.

LIFE, as do many people, makes the mistake of taking the fraternity and sorority picture as typical. At most universities the majority of students DO NOT belong to the Greek organizations and consequently do not have the social life or general fun that such students have. One of the things that I believe needs a good deal of change is the Greek system at institutions that are supposed to represent democracy and liberal thinking. Due to personal reasons I did not join a fraternity but well realize that I will thus miss much of college life.

There is nothing more that college

(continued on page 6)

HISTORY... in the making



CICERO, champion non-stop orator of ancient Rome, also was senior partner of the law firm of Cicero, Martellus and O'Malley—O'Malley did most of the work. But Cicero did the bill collecting. For example:

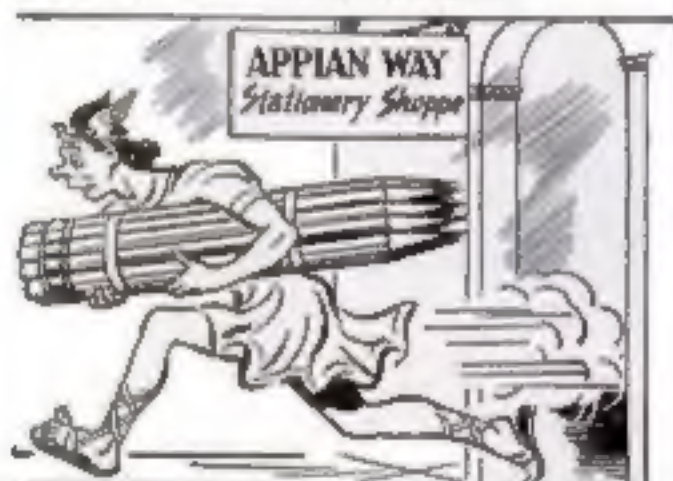
Dear Appian Way Stationery Shoppe:

My client, the Rome Water Works, Inc., wants the 3½ denarii (\$6.23) you owe for water service during the month



of March. Now, we're willing to be reasonable. Instead of money, just send us 3½ denarii worth of those Venus-Velvet Pencils you have in stock—the kind that stay sharp and write velvet-smooth, because they're made with Colloidal Lead* and never splinter because both wood and lead are Pressure-Proofed**. Yours, CICERO.

P.S. We expect plenty of pencils for 3½ denarii—because Venus-Velvets are inexpensive. They come in five degrees of hardness—and we want No. 2.



Right, Cicero! Venus-Velvets are big values—whether you buy one, a dozen or a gross at a time... Why not standardize on Venus-Velvets for your office? Ask your stationer or office-supplier.

... And if you use drawing pencils—you'll see more Venus Drawing Pencils on the drafting boards of America than any other make.

©U. S. Patent 1782898
©U. S. Patent 1865084

VENUS VELVET PENCILS

AMERICAN PENCIL CO., NEW YORK

The Venus Pencil Factory

VENUS PENCIL CO., LTD. TORONTO



NOEL
means "Christmas"



EDITH
means "rich gift, happiness"



MARY
means "distressed, tearful"



GUY
means "the mistletoe"



ETHYL
is a trade mark name

It stands for antiknock fluid made only by the Ethyl Corporation. Oil companies put Ethyl fluid into gasoline to prevent knocking.

The Ethyl trade mark emblem on a gasoline pump means that Ethyl fluid has been put into high quality gasoline and the gasoline sold from that pump can be called "Ethyl."

What does your name mean?

The meanings and origins of over 900 masculine and feminine names are given in the fascinating illustrated booklet, "What's in a Name?" It's free—no obligation—just mail coupon.

FREE ILLUSTRATED BOOK OF NAMES

ETHYL CORPORATION
Room 3312, Chrysler Building, New York City

Please send me a free copy of "What's in a Name?"

Name _____
(PLEASE PRINT)

Address _____

City _____ State _____



...and YOU TALK OF "SACRIFICES"!

Maybe you've heard some of them...

The people who complain because they can't always get their brand of coffee—or because the right cut of meat is scarce...

The man who "sacrifices" an extra week's vacation to buy a War Bond or two, and the woman who "gives up" a new hat to put the money into a War Bond.

Next time you hear such talk, answer like this...

"Sacrifice? Is there anything you can do to match the bravery of our fighting men? Is there any 'sacrifice' you can make to equal that of a man who gives his life?"

"You don't 'sacrifice' anything when you buy a War Bond. You get back \$4

for every \$3 you invest. You get absolute *safety*—with the pledge of the world's strongest nation behind you. You get *security* for the future. You can't lose!"

To win this war we Americans **MUST** buy War Bonds. We **MUST** give our boys the ships, tanks, guns and planes they need to win. Not just with our "spare" money, but with every dime and dollar we can scrape together.

Let's forget the interest, the safety, and the security. **LET'S WIN THIS WAR!**

Every dollar you put into War Bonds is *life insurance* for our boys. **THAT'S** what counts! In the lives of these boys is the salvation of our country.

So don't let anybody talk to you about "sacrifices"!

FACTS ABOUT WAR BONDS

1. War Bonds cost \$18.75 for which you receive \$25 in 10 years—or \$4 for every \$3.
2. War Bonds are the world's safest investment—guaranteed by the United States Government.
3. War Bonds can be made out in 1 name or 2, as co-owners.
4. War Bonds cannot go down in value. If they are lost, the Government will issue new ones.
5. War Bonds can be cashed in, in case of necessity, after 60 days.
6. War Bonds begin to pay interest after 1½ years.

Keep on Buying War Bonds

PUBLISHED IN COOPERATION WITH THE DRUG, COSMETIC AND ALLIED INDUSTRIES BY

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VICKS VA-TRO-NOL • VICKS INHALER
VICKS Medicated COUGH DROPS

LETTERS TO THE EDITORS

(continued)

students can do toward our war effort than they are already doing. (Not much, but what *can* they do?)

True, late class-comer pictured in *LIFE* can learn a lot of things in the U. S. Army. One thing that he would do well to learn is that his being a Greek doesn't make him God on the campus and that he is only a human no better than the Independents.

If *LIFE* wants to see hard-working students let them picture the forgotten Independents who are usually sober enough to arrive at their classes on time.

STANLEY SHPETNER
Urbana, Ill.

Sirs:

It will be an odd world indeed, this post-war world which the editors of *LIFE* envision. If the pleasant practices pictured in your "farewell look" at Indiana University disappear, I sadly fear that they will take all human beings with them.

Do you assume a world where men will no longer be careless (two students on a war memorial); no longer dance (jitterbugs and formal dance); no longer make love (society porch); no longer be self-important (B. M. O. C.); no longer be tardy (student arriving late to class); no longer flatter (apple-polishing); no longer study (library); no longer steal (snaffling); no longer be lazy (lounging lizard); no longer become engaged (fraternity pin); no longer lie (broken date); no longer tryat (boy and girl running away at night)? I don't.

Surely there are college customs that will pass away, partly because of war, partly because nothing is less permanent than a college custom, but you have pictured none. For it is obvious that while there are people (and college students are) the pleasant practices you consider to be on the wane will be with us, come, as Grandpa used to say, hell or high water.

FREDERIC E. REEVE JR.
Visiting Lecturer in English
Ohio University
Athens, Ohio

ONE-GIRL FARM

Sirs:

A handful of war bonds to "Pat" Altree, of La Center, Wash., for her remarkable and admirable contribution toward the war effort (*LIFE*, Nov. 23).

She has set an all-time example for American women to follow in order for us to win this strenuous battle for democracy.

Here is hoping more people will follow her example in the all-out-for-victory program.

KLEBER DUSENBURY
Pontiac, Mich.

Sirs:

Under one of the pictures in your story on the one-girl farm you stated that Pat Altree got no further than the semifinals in a plowing contest.

As her sponsor in that contest, we beg to correct that error. She won the finals in the Northwest contest against a field of nine boys, thus gaining the title of champion plow girl of Washington, Idaho and Oregon.

FARMERS SUPPLY CO.
Vancouver, Wash.

Sirs:

PATRICIA! What a gal. We must get her deferred from the WAACS. Keep 'em farming.

E. A. MARTIN, 1st Lieut. Cav.
J. C. LAWRENCE, 1st Lieut. F.A.
Camp Upton, N. Y.

Sirs:

Living as I do in the center of a farming district wholly given over to dairying, I read with amazement the story of Pat Altree and her one-girl farm. Here is a 17-year-old girl doing all the work on a 70-acre farm, milking 33 cows, finding time to work out for the

(continued on p. 8)



RELIEVE HEADACHES NEURALGIA & MUSCULAR ACHES WITH "BC" QUICK ACTING



"BC" contains not just one but several effective ingredients that dissolve quickly and act in a hurry. Use only as directed on the package.
10¢ and 25¢

OUR TRADE MARK WINDBREAKER

REG. U.S. PAT. OFF.

America's Most Famous Name in Jackets



ALSO BOYS & JUVENILES SANDY RISSMAN

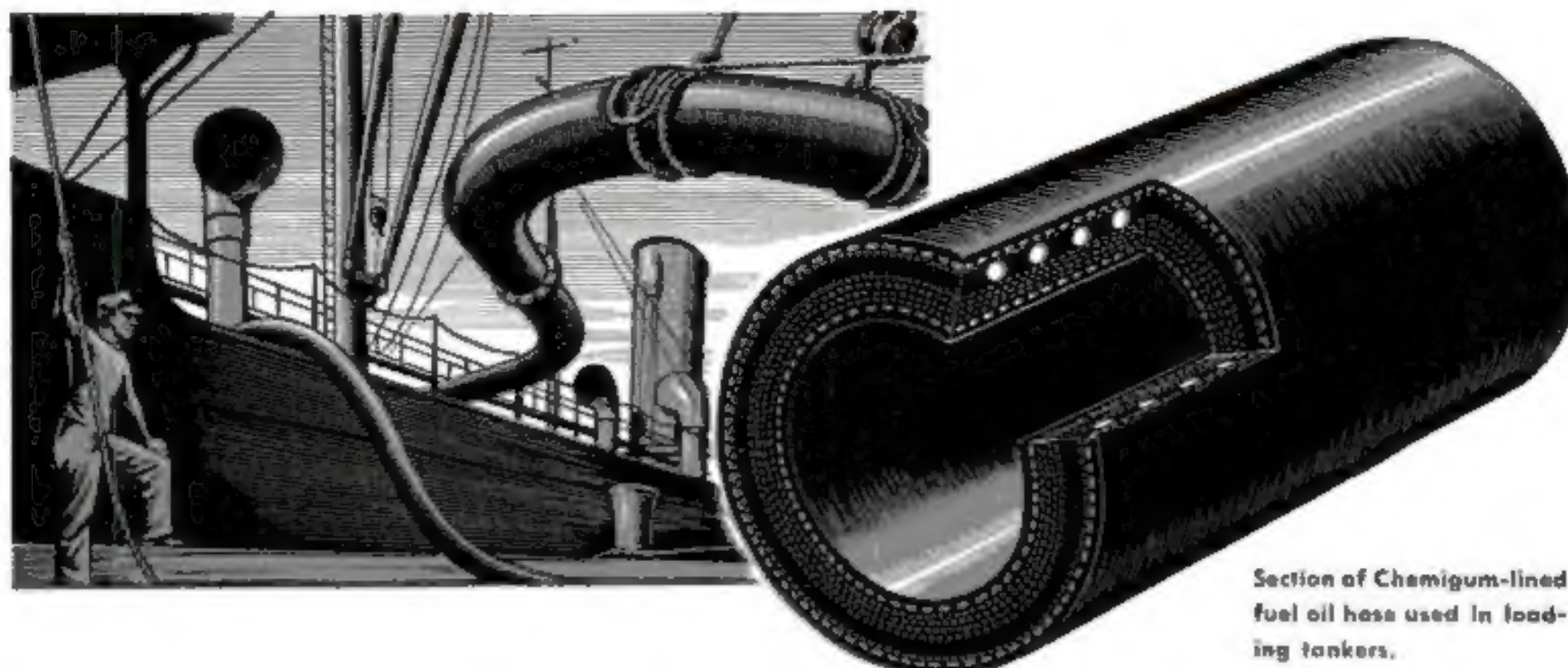
A MASTERPIECE OF CRAFTSMANSHIP

STURDY ALL-WEATHER FABRICS

Lined with Brybro Rayon

VARIOUS STYLES, COLORS and LININGS AT LEADING STORES EVERYWHERE

JOHN RISSMAN & SON
MANUFACTURERS • CHICAGO



No, America was not asleep on SYNTHETIC RUBBER

IT SEEMS to be a somewhat common impression that up to Pearl Harbor synthetic rubber manufacture was a Nazi-controlled monopoly; that America was asleep to its possibilities until our natural rubber sources were lost.

The truth is, as early as 1927 Goodyear chemists had developed a synthetic very similar to natural rubber in structure and properties. This process was patented in both the United States and Great Britain.

Nearly two years before the war began in Europe we had advanced the art of synthesizing rubber to the point where tires made with our product, now called Chemigum, actually outwore those made with the best natural rubber. But the high cost of producing Chemigum at that time made the price of these tires prohibitive.

Nevertheless, Goodyear proceeded to build America's first complete plant for producing synthetic rubber of this type, and began the commercial manufacture of Chemigum for certain industrial uses where its imperme-

ability to solvents makes it vastly superior to natural rubber.

Since 1938 we have made large quantities of fuel oil and gasoline hose, pipe line connections, gaskets, printers' rollers and press blankets with Chemigum. In 1940 we added bullet-puncture-sealing linings for gasoline tanks and numerous other items for warplanes.

When America went to war our entire facilities were immediately devoted to producing for our armed forces many needs that had previously been built with natural rubber. Large new plants since built as part of the government's war program are now providing synthetic rubber in a steadily increasing quantity for a wide variety of military uses.

This rapid wartime expansion is bringing about new low-cost methods of producing synthetic rubber which, combined with our twenty years' experience in developing synthetics, assures America of high-quality tires and other rubber goods at reasonable prices—as soon as production capacity exceeds military demands.



GOODYEAR
THE GREATEST NAME IN RUBBER

Chemigum—T. M. The Goodyear Tire & Rubber Company

"Everybody noticed the difference the moment I checked dry scalp!"



"Dousing got me nowhere!"

I learned you simply can't control dry hair by dousing... no matter what you douse it with. I'd sop my hair in the morning... and for a while it would stay in place as if it had been glued there. But when it dried, I'd look like a home-grown Zulu. But I gave up dousing when I discovered 'Vaseline' Hair Tonic. Now my hair looks naturally neat all the time.

"NOW LOOK!"

I put a few drops of 'Vaseline' Hair Tonic on my comb... then run it through my hair. That's all that's needed to keep my hair combed. But what's more, I found that I can check dry scalp and loose dandruff by rubbing a little on my scalp occasionally to supplement natural scalp oils.

A brisk massage with plenty of 'Vaseline' Hair Tonic before a hair wash and a little rubbed on my scalp afterwards... stops that itchy feeling and checks after-shampoo dryness. By taking care of both my scalp and hair, I've really made a very big improvement in my appearance. My hair looks good, and my scalp feels good. Better see what it'll do for you!



**FOR DOUBLE CARE
BOTH
SCALP AND HAIR!**

Vaseline' Hair Tonic is different, containing no ingredient that has a drying effect.

40¢
and
70¢

Vaseline HAIR TONIC

LETTERS TO THE EDITORS (continued)

neighbors—earning in the process \$525, going camping for a few days, going to school, doing the farm work nights and mornings, editing a school paper besides having time to observe the social amenities of the neighborhood. My God, what a girl.

I have a neighbor, milking 21 cows, who has a farm of over 200 acres, hires a man steady the year round, and the work keeps them busy from daylight to dark, exclusively in the care of those cows and a few young stock, and raising fodder and other products necessary to carry his stock through the winter. Phooey, the article in LIFE gives a wholly false impression of life and work on a dairy farm, and to a farmer is simply ridiculous.

JOHN SHERET

Meshoppen, Pa.

SHIPWRECKED MARINER

Sirs:

LIFE's report of the shipwrecked mariner in the Russian Arctic (Nov. 23), who was fed by a troop of boys aged 8 to 15 engaged on a duck-hunting expedition for the army cannot fail to interest parents, teachers or anyone else concerned with the vexing problems of education. The very fact that this achievement strikes us as extraordinary leads us to speculate as to what those Russian boys have that is lacking in our own at their age.

Perhaps the answer is to be found in the educational policy of a distinguished Russian leader. He held that, as the slavery under which the pre-Revolutionary generation had grown up had made slaves of them, you could by giving children liberty and education develop a race of heroes. So the children were given liberty, they were never punished; but at the same time they were led to worship self-discipline and hard work in the service of the cause. This combination of progressive education and the Puritan spirit has produced an army and a people to back it that has been able to stop the hitherto unbeatable product of a different system of education.

In case anyone wants to know the name of the Russian pedagogue whose theory has proved so practical, it was Lenin.

MARGARET LEE LOATHARD
Hingham, Mass.

COMPANY SWEETHEART

Sirs:

You are always printing letters from various posts, camps and stations of the Armed Forces about persons who are boosting the morale of the Army.

Let us tell you about the Morale



HALLOWEEN CAKE

Booster we boys have out here in Savanna. We have a Company Sweetheart that any one of us would be proud to take home to mother. She's it with a capital IT.

Her name is Miss Betty ("Boo") Sherwood who not only takes the time and patience to write each and every one of us an individual letter every day but also goes to the expense of purchasing various gifts and novelties that all of us really go for, cigarets, toilet articles, etc.

(continued on p. 13)

*The Holidays
deserve the
BEST*



YES, the Holidays call for the best—including the wine you serve or send to friends. So, whether its Champagne, Still Wines, or Vermouth for cocktails, be sure of the extra taste-thrill... the Captured Flavor of TAYLOR'S New York State Wines.

**TAYLOR
Wines**

FROM THE FAMOUS CELLARS OF
THE TAYLOR WINE COMPANY
AT HAMMONDSPORT, NEW YORK



**Remember
U-ALL-NO
Richardson's
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Mint**



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THOS. D. RICHARDSON COMPANY, Philadelphia, U. S. A.

STOP HOGGING

PETTICOATS, SOPHONISBA!

One **G-E Automatic Blanket** will keep you warm as toast all winter!

Aunt Sophie's beach-umbrella silhouette is the mark of a vanishing American — who doesn't know that *one* soft, deep-napped Automatic Blanket *alone* will keep her whole bed at just the warmth she selects, no matter how the bedroom temperature rises or falls!

Imagine — *warmth without weight* every night, all night! No mountain of heavy coverings — no treacherous cold spots — no midnight awakenings too cold or too warm.

And how you sleep! You rest relaxed, uninterrupted, protected from weather changes as if by an ever-watchful nurse. Yet you can hardly feel the Blanket's gentle warmth to the touch!

It's all so easy . . . just set the little Bedside Control *once* for the warmth you want, and the "Blanket with a Brain" does the rest! (The same idea keeps fliers warm in the stratosphere!)

Choose your Automatic Blanket today at a department store, electric company or other dealer's. We're much too busy with war work to make any more, but the last we made are now in the stores — in limited quantity.

GENERAL  ELECTRIC

THE LAST TILL VICTORY!

After present stocks of Automatic Blankets are sold, there will be no more for the duration. Our blanket factory is devoted exclusively to electrically heated flying suits, shoes, gloves and other equipment for the Armed Forces.

WARMTH WITHOUT WEIGHT! One mephyr-light blanket instead of mountains of heavy covers. More comfort for both when two sleep together.

UNIFORM WARMTH ALL NIGHT! The warmth you select, no matter what the bedroom temperature. A special blessing if you are keeping your home cooler than usual to save fuel!

WARM BED WHEN YOU RETIRE! No chilly sheets if you switch on the Blanket *before* retiring.

BED WARM ALL OVER! No cold zones when you change position—no muscle kinks or cramps when you wake.

REFRESHING, RELAXING SLEEP! Wake really rested—you haven't wasted energy trying to keep warm in bed.

The Automatic Blanket makes up like any one blanket, 72 x 86 inches — ample for double beds. Popular colors: Blue, Green, Cedar, Gold, Wood Rose and Beige. Washable, of course.



Handsome, small Bedside Control connects with any convenient A.C. electric outlet. Small transformer concealed beneath bed. Blanket connection remains out of sight.

For information or name of nearest dealer, write General Electric, Dept. OG1221-S, Bridgeport, Conn.

\$34.50

plus excise tax. Pacific Coast and Rocky Mountain area slightly higher. Prices subject to change without notice.

This Christmas ... it's Music

**NOW MORE THAN EVER THE THOUGHTFUL GIFT...
FOR LASTING PLEASURE ALL THROUGH THE NEW YEAR**

For most of us there is today a lift, a solace in the world of music that we have never known before. So this Christmas, think first of giving music, permanently and beautifully recorded. On these pages are just a few suggestions. They are drawn from the rich treasure house of the Columbia Christmas Gift Book, which presents for your selection music for *every* member of the family... every taste... every mood. This tremendous collection brings you the greatest music of all time... interpreted by the greatest artists of our time... brilliantly recorded on the Sensitone-Surface of Columbia Records, which means *richer* tone and *longer* record life.



CHRISTMAS RECORDS with a year-round beauty

A Christmas Carol by Dickens: Basil Rathbone as "Scrooge," and a great Hollywood cast. Set M-MM-521 \$3.68

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Romanian Rhapsody No. 1, Enescu: Stock, Chicago Sym. Set X-MX-203, \$2.63



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superbly conducted and recorded!

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and The Cleveland Orchestra

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that will live tomorrow

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masterpieces of our time

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Symphony No. 1 in D Major by Gustav Mahler. The first recording of this imaginative work. Set M-MM-469 . . . \$6.83

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necessary wear and reduce danger of skidding.
- 6 Mobilubricate chassis at regular intervals —
with special Winter Mobilgreases.
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high-quality Winter Mobiloil Gear Oil.
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most efficient and economical performance.

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COAST-TO-COAST, 10 P.M., E.W.T.

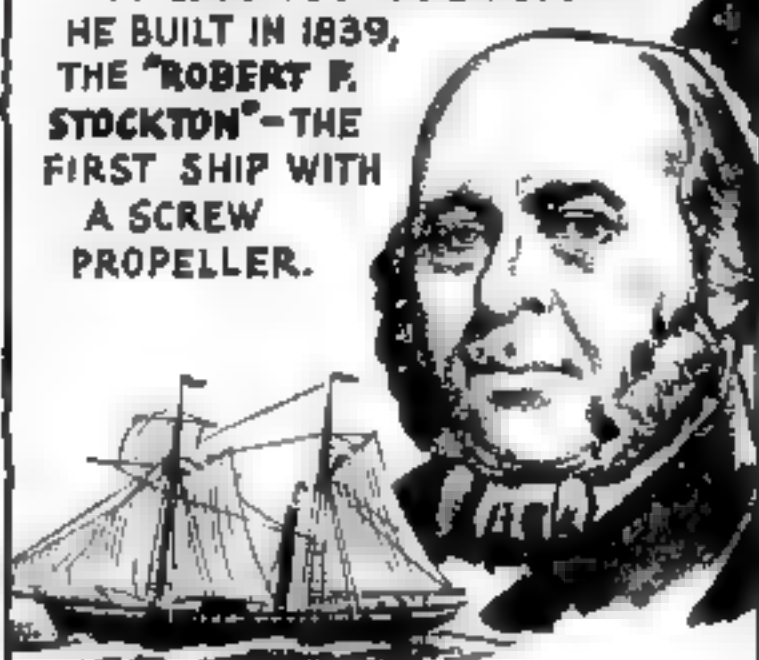
MON. TUES. WED. THURS.

MOBIL-IZE YOUR CAR FOR WINTER

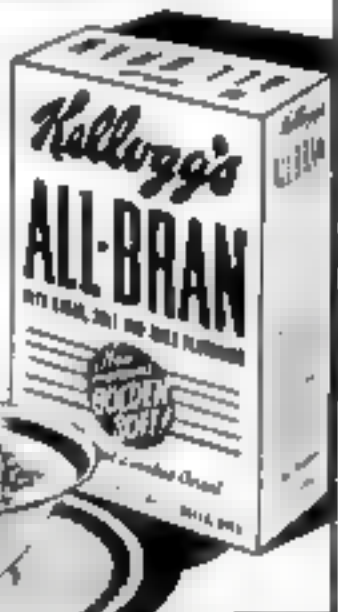
WE FOUND A BETTER WAY

A BETTER WAY OF PROPELLING SHIPS WAS GIVEN TO THE WORLD BY CAPTAIN JOHN ERICSSON.

HE BUILT IN 1839, THE "ROBERT F. STOCKTON"—THE FIRST SHIP WITH A SCREW PROPELLER.



THE BETTER WAY TO TREAT CONSTIPATION DUE TO LACK OF PROPER "BULK" IN THE DIET IS TO CORRECT THE CAUSE OF THE TROUBLE WITH A DELICIOUS CEREAL, KELLOGG'S ALL-BRAN. EAT IT EVERY DAY AND DRINK PLENTY OF WATER.



SPECIAL NOTICE



To the Lucky Owners of a Clean-Be-Tween Toothbrush

As your dentist will confirm, the adjustable, refillable Clean-Be-Tween has a way been unique in efficiency. Now it is a rarity as well, since war needs for nickel silver prevent our manufacturing any more handles probably for the duration.

Ref is, however, will continue on sale for the benefit of Clean-Be-Tween owners whose present handles will give many years of service with reasonable care.

- NEVER "FORCE" BRUSH-HEAD. Loosen thumbscrew sufficiently when changing refills.
- RINSE THOROUGHLY under pressure of faucet after use.
- DON'T KNOCK HANDLE against basin after rinsing. Simply shake out gently and let dry.

CLEAN-BE-TWEEN

The only Adjustable—Refillable Toothbrush

Over 1,250,000 already bought primarily on the advice of Dentists

LETTERS TO THE EDITORS

(continued)

Enclosed is a picture of a cake (25 lb.) that our sweetheart was good enough to mail us for Halloween.

THE BOYS OF HEADQUARTERS COMPANY
Savanna Section, Ordnance School
Proving Ground
Illinois

BATTLE OF THE RIVER

Sirs:

Congratulations to John Hersey for the very touching story, The Battle of the River, in the Nov. 23 issue of LIFE. Stories like that really bring the war home to us.

CONSTANCE FOSS
Milton, Mass.

BRITISH IN AFRICA

Sirs:

I have seen many wonderful photographs, but to me your photographs of the British Eighth Army in Africa, in the issue of Nov. 23, bring this war to my doorstep.

It gives us a true picture of the complete job being done by General Montgomery.

HARRY WARDURTON
San Diego, Calif.

HOME SCIENCE

Sirs:

I wish I were the editor of LIFE—for just one reason! I would crusade against the ignorance surrounding the complexities of modern life by repetitions of the feature listed as Home Science (Nov. 23). The camera recordings and the descriptive notes were an unbeatable combination. Congratulations!

Chemists and the comparatively few trained in physics are not handicapped by everyday examples which the average individual often brands as phenomena. Modern existence is a perilous undertaking, both physical and mental, chiefly because the average person lacks the education that is necessary for an understanding of the environment in which he finds himself.

WILLIAM KALPIN
Rochester, N. Y.

MIDWAY BIRDS

Sirs:

In the Nov. 23 issue of LIFE the story of the peculiar birds on Midway Island was of unusual interest, but those birds seem to impede rather than to expedite the war effort.

Now from the information that I have the forces stationed in the Aleutians make more practical use of the Arctic fauna. First is the scouting walrus, mustache, tusk, wrinkled brow, wearing spectacles fitted with thick, wide-angle lenses, through which peer his camera eyes. With his head just above the water he looks like Yamamoto or maybe Togo. The face-saving Japs never molest him. Returning to Dutch Harbor or Siska the camera-eye pictures are processed and then action.

The boys have developed the hot Unalut bird by crossbreeding the fast-flying native albatross with Arctic hell-divers. These lethal birds lay high-explosive eggs—all bad for the Japs. Then there is the loveless bull seal with an all-out suicidal complex. These big fellows gorge on TNT and ram their detonator noses against enemy craft. One is generally enough.

While the above are of the offensive order efforts are being made to change a highly offensive weapon into a defensive type. As most Alaskan servicemen know, the odor of the musk ox and Eskimo dogs smells to high—well, pretty high. Fitted with double gas masks, details are experimenting with serum or special foods that will add color. It is hoped, to this windproof aroma. When successful, this will prove an ideal and plentiful camouflage screen.

Will keep you advised.

JOHN E. SMITH
Saratoga Springs, N. Y.

"My swell new Cannon Rayons electrified everybody—even me!"

"Gosh, what a reception I got when I showed my new Cannon Rayons to the cast!"



"They're a critical bunch—that gang! And everyone of 'em had been waiting about what they thought rayon stockings would be like—thick, shiny, strictly unglamorous! So—when they were mighty pleased to see my wonderful Cannons! Sheer—like you never thought rayons could be! Dull! Smooth! Neat fitting!"

says Constance Moore

starring in "By Jupiter,"

Smash Broadway Hit



"Here's the good news, kids," I said. "These Cannon beauties really wear!"



"...Even if they do look so lovely and fragile you'd think a sneeze would finish 'em! Cannon Rayons are hi-twist. That means they're more elastic...less apt to give out when the going's rough. They tell me this special new twisting process does the trick!"

"Remember—all Rayon Stockings are temperamental when wet! They need pampering."



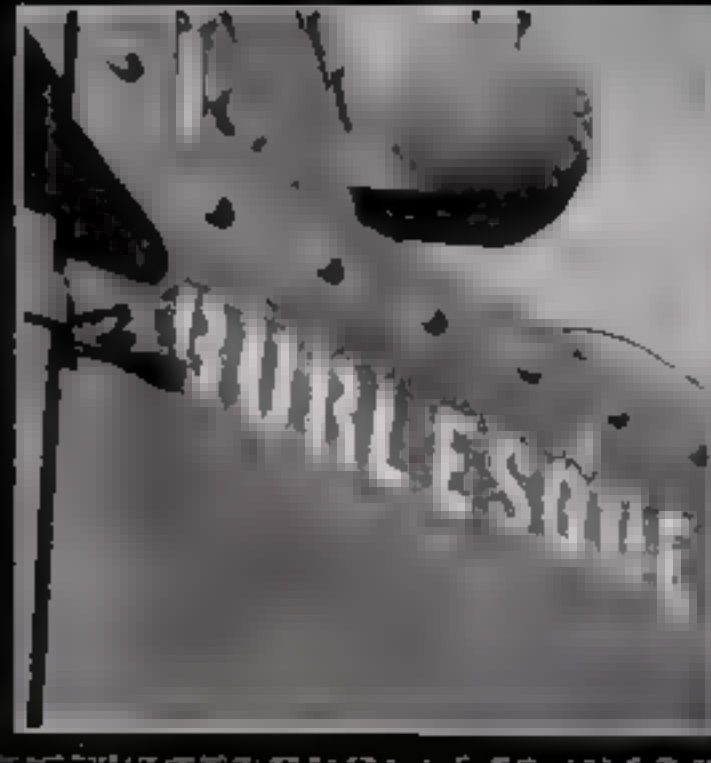
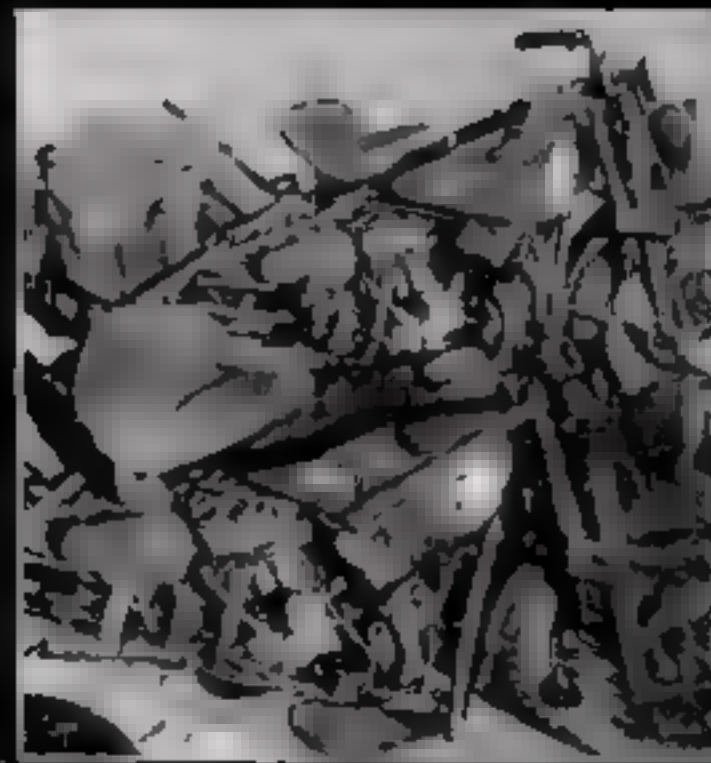
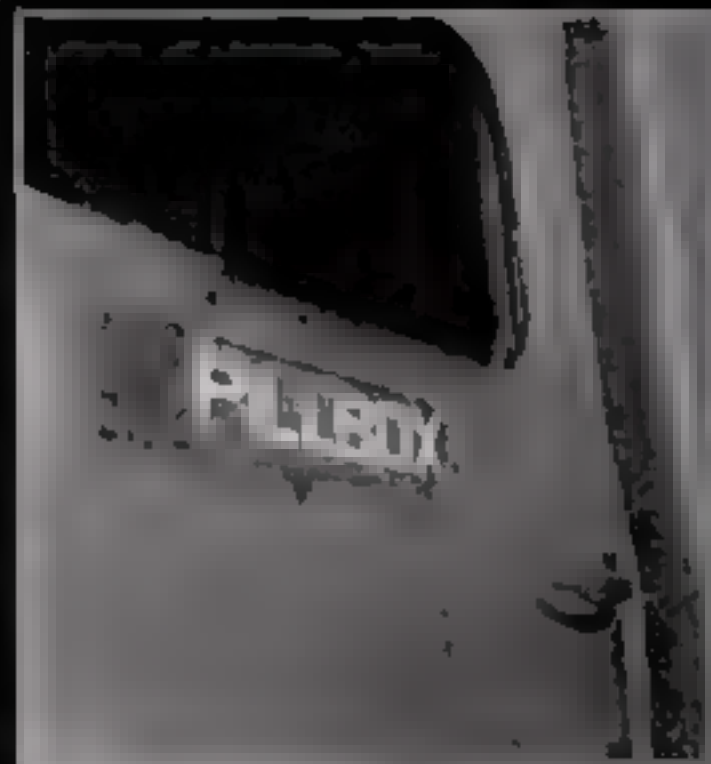
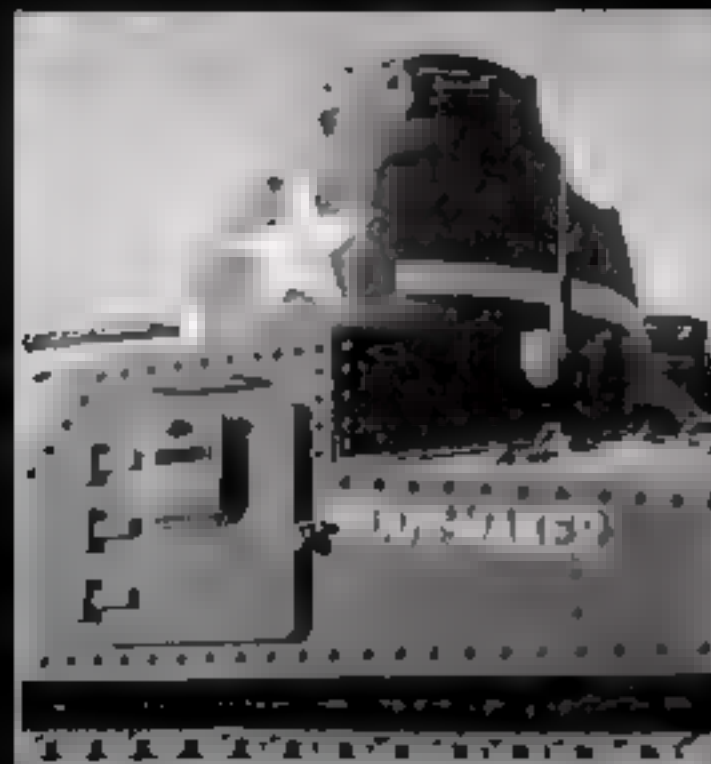
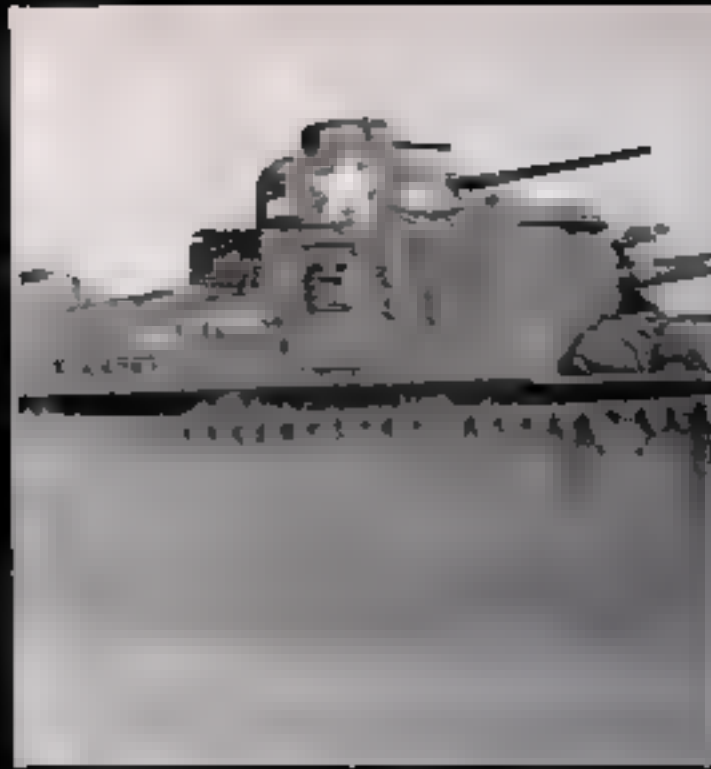
"No two ways about it—Rayon Stockings are much more apt to collapse when you put them in water! You've got to follow washing rules to The Letter. And you've got to resist with your last breath the temptation to put on rayon stockings till they've had at least 36 hours to dry. DON'T!"



Cannon Hosiery

HI-TWIST RAYON • SHEER COTTON LISLE

Cannon Hi-Twist Rayon Stockings are at your dealer's in sheer and service weights. Smart new colors. Priced from 95¢ to \$1.25. Also Cannon Sheer Cotton Lisle Stockings. Fine-spun and smart for street or sportswear. Priced from \$1.25 to \$1.50.



SPEAKING OF PICTURES . . .

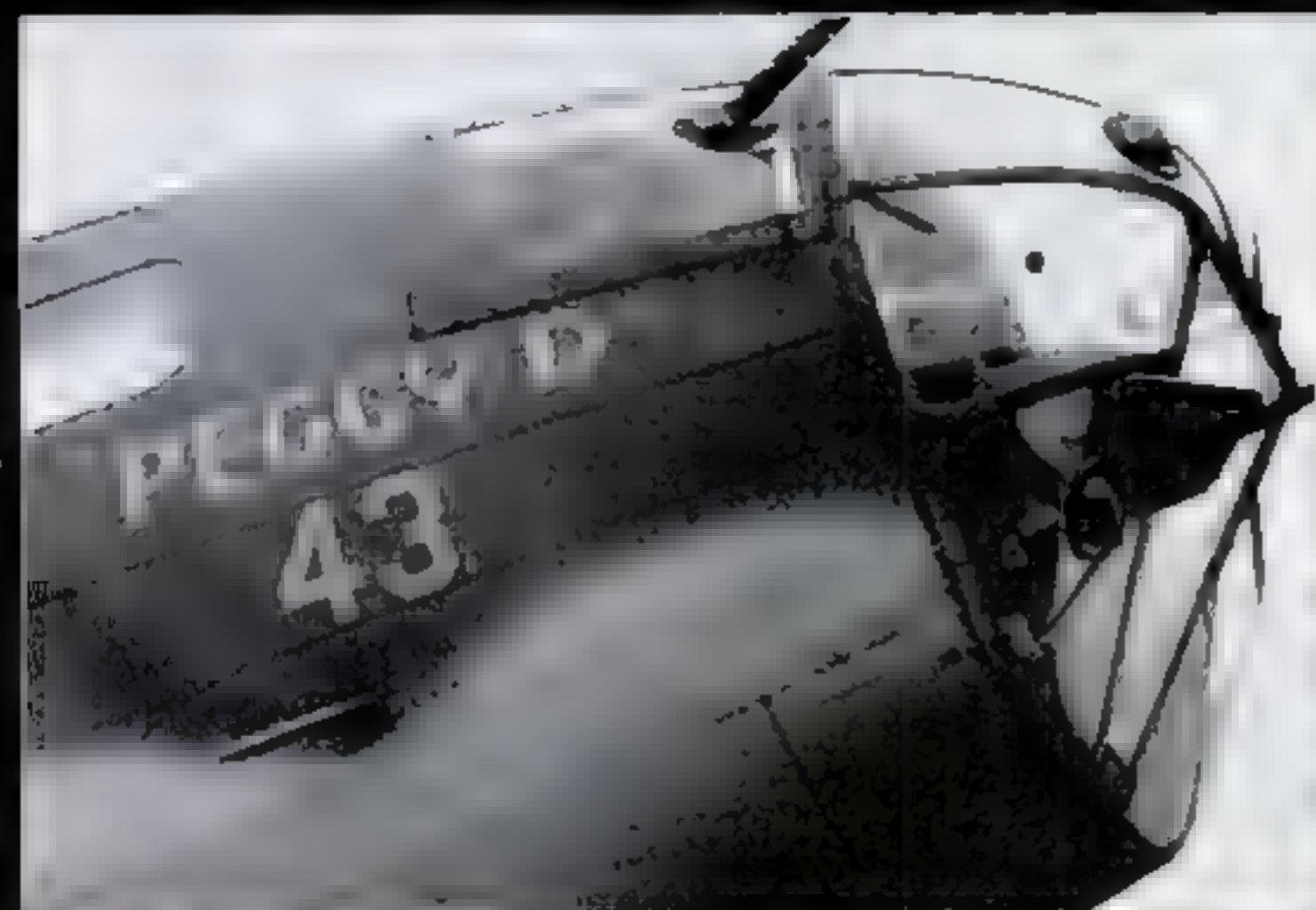
. . . THESE PET NAMES SHOW SOLDIERS' SENTIMENTS

Men at war strike up a close kinship with their weapons. To show pride in their weapons and to invest them with a personality, soldiers paint names on them. All types of war equipment, from 16-in. guns to bombers and jeeps, carry into battle sentimental tags which reflect clearly the close attachment the men who work with them have for them.

Here on these pages is a variety of U. S. Army equip-

ment, each carrying the indelible marks of a soldier's affection. Some of the names painted on the vehicles (lower left) are downright boastful in a healthy fashion, like "Adolph's Hearse," "Widow Maker," "Hot Shot," "Asphyxia" and "Burma Bound." Others, like "Yehudi" and "He Dood It," are well-known radio gags. The names of the big bombers (below) which have been bombing Europe regularly are usually more informal

Naming weapons is not new. Napoleon's cannoneers called the heavy guns they dragged across the Alps Emma, Marie and Lizzie. American frontiersmen often referred to their long rifles as "Betsy" or "Old Reliable." Most renowned of all baptized U. S. weapons is General George H. Brett's Flying Fortress "Alexander The Swoose" which fought gallantly in the Philippines, Java and Coral Sea, set a new transpacific flight record.





Land is 700 miles away—

BUT WHICH WAY?

WHEN you go overboard from a sinking plane or ship, you've got to *know* where you are. A bad guess may be your last guess.

You've got to understand sun and stars and wind and drift—if you hope to endure long days of thirst and hunger—and fight off storms and sharks and madness—and steer a course to safety on white sand.

Practical, applied knowledge of the kind that helps men survive the sea can also be a national life-saver on dry land.

Because America's manufacturers *know how*, our booming war production is the biggest in the world. Because America's electric industry *knows how*, our war plants have available far more electric power

than all the Axis countries combined—*five times* as much as this country had in the last war.

And *seven-eighths* of all this vast supply of power is provided by the electric companies under business management. They've stepped power production *up and up* to meet all industrial demands. They've reduced rates to a point where the average American family gets *twice as much electricity* for its money as it did 10 to 15 years ago.

These are the accomplishments of experienced men and women who *know* their business because they learned it the American way—by growing up in it and advancing on ability. These are the results of business management under public regulation—

the system that has made America strong. . . . You've got to *know how* to run a power-house—or a rubber boat. There's no room for inexperience in either!

**THIS PAGE SPONSORED BY A GROUP OF 98
ELECTRIC COMPANIES* UNDER
AMERICAN BUSINESS MANAGEMENT**

*Names on request from this magazine. Not listed for lack of space.

Invest in America! Buy War Savings Bonds and Stamps

SPEAKING OF PICTURES

(continued)]



BOMBER IS NAMED AFTER SUPERMAN, A FAVORITE COMIC



ALSO FROM THE COMICS IS ALLEY BOY, TOUGH CAVE MAN



TABLOU ON PLANE SIGNIFIES INTENTION OF THE CREW

"Don't say Solo Flight to Me," sobs Sally



SALLY NEEDS A LAXATIVE, but she's making her first solo flight at 9.

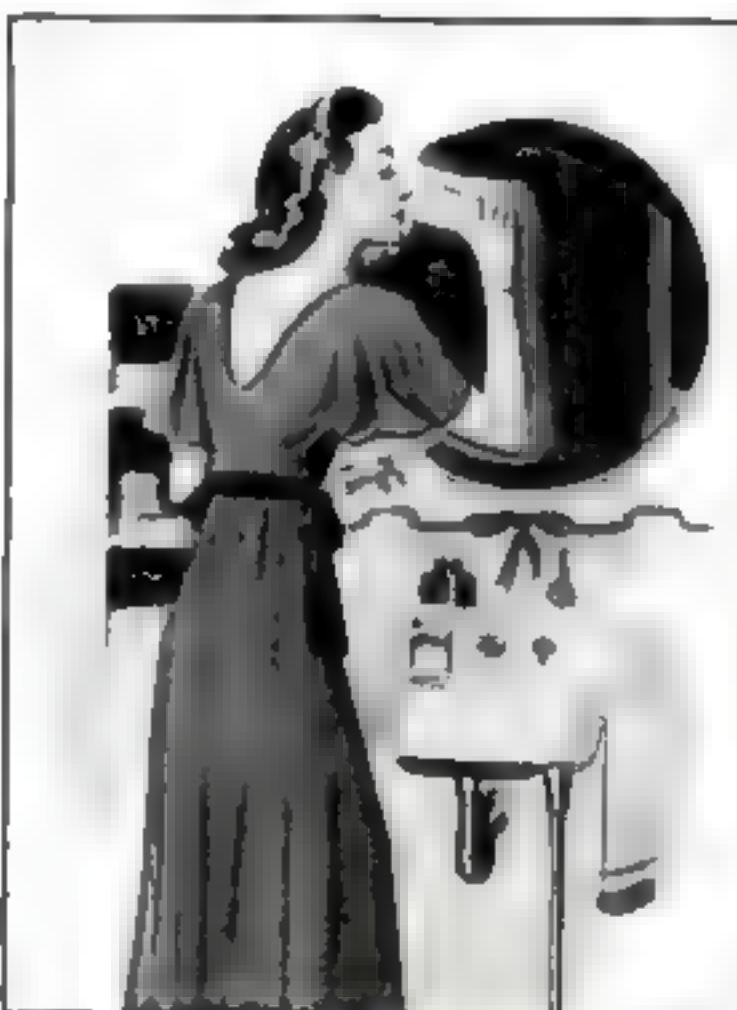
"I'll wait till tonight," she tells her roommate. "If I don't pass the test, I don't get my pilot's license!"



HEAVY-HEADED, SUFFERING from symptoms of constipation, Sally makes a one-point landing, if that.

"No license for me this time, that's plain," she mourns, ready to cry.

"I'm Proud of My Ace," says Jane's Beau



JANE NEEDS A LAXATIVE. She's making a solo test flight at 9, too.

But she takes speedy Sal Hepatica because she knows it usually acts within an hour.



JANE WINS her pilot's license easily. Her fiancé, also a pilot, watches the flight. "Bravo!" says he, with a hug!

Jane—beaming—is grateful for Sal Hepatica's prompt relief.

Whenever you need a laxative —take gentle, *speedy* Sal Hepatica

YOU'VE JUST GOT to keep fit, these days. So don't wait till tonight to take the laxative you need this morning.

Take speedy Sal Hepatica.



This refreshing, sparkling saline acts by attracting needed liquid bulk to the intestinal tract without discomfort or griping. It helps counteract excess gastric acidity, as well; helps turn a sour stomach sweet again.

No wonder 3 out of 5 doctors, interviewed recently, recommend Sal Hepatica. Try it, next time you need a laxative! Remember, it's your duty to keep feeling your best!

Here are the active ingredients of Sal Hepatica: sodium sulphate, sodium chloride, sodium phosphate, lithium carbonate, sodium bicarbonate, tartaric acid. Your doctor will testify to the efficacy of this prescription.

"TIME TO SMILE"—Tune in Eddie Cantor
Wednesdays at 9 P. M., E W T

SAL HEPATICA

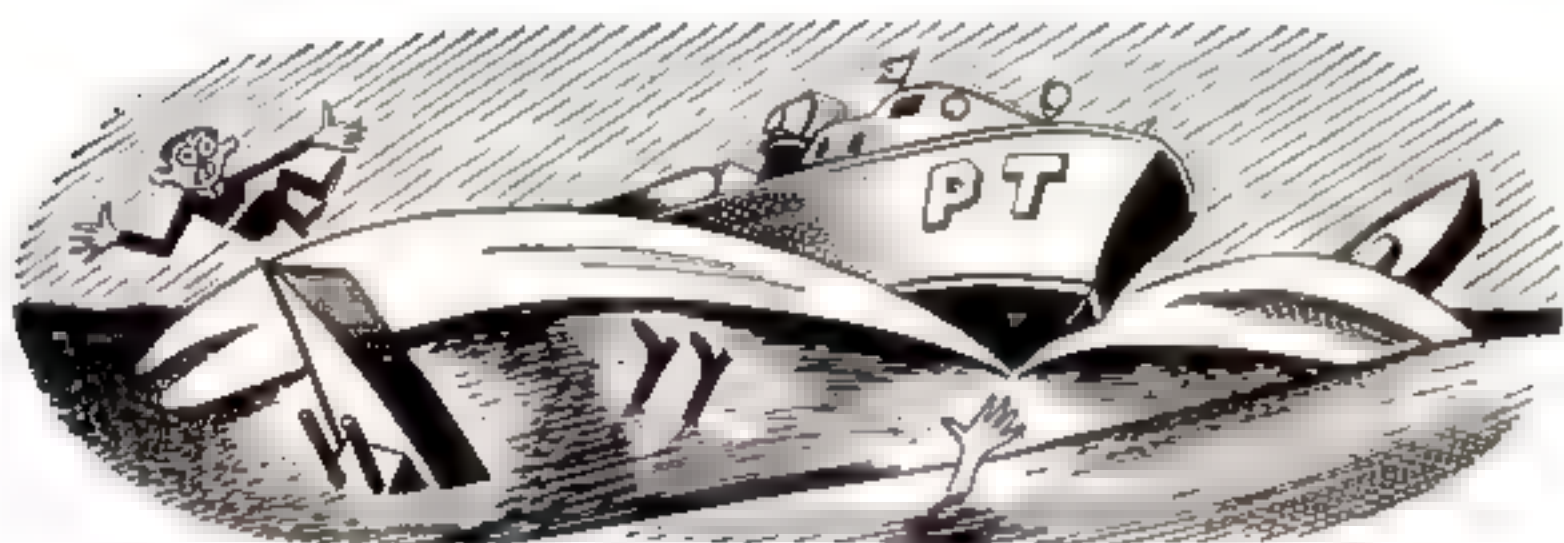
Product of Bristol-Myers

Why is an Arrow Shirt like...



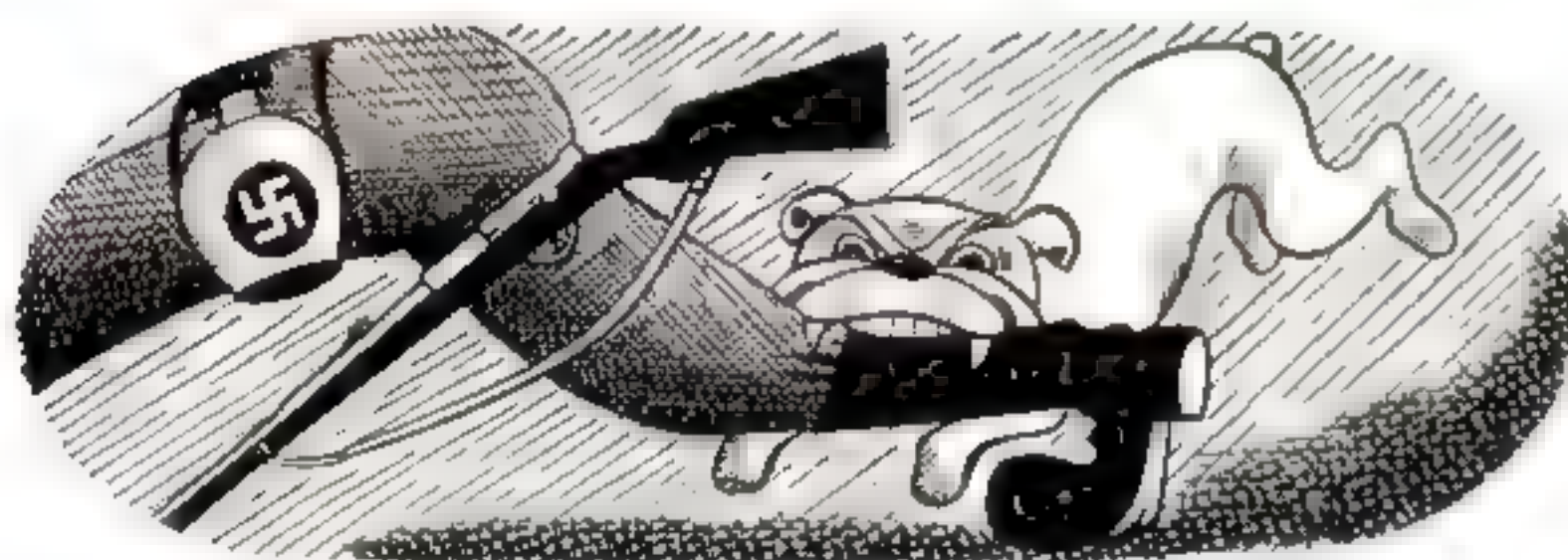
a new girl?

Full of surprises—all delightful! Take Arrow Hitt (\$2.25). Its handsome Arrow collar is non-wilt—always spruce... comfortable. Arrow Shirts are Sanforized for permanent fit. A new shirt free if one ever shrinks out of fit!



P-T boat?

Because it's trim... sleek! No waste material boards an Arrow Shirt—thanks to "Mitoga" figure-fit... curved to fit the body... sloping "natural" shoulders, tapered sleeves. Arrow Shirts have whistle-clean lines! See Dart (\$2.50).



bulldog's grip?

The buttons have the same hang-on quality. (Missing buttons on Arrow Shirts are rare as black-haired Swedes.) Arrow buttons are anchored with patented Button Stay. (Bachelors and wives take note.) Try Arrow Dale (\$2.75).



no other shirt?

Because they have the one and only Arrow collar! Tailored from pre-tested, long-wearing fabrics, Arrow White Shirts (like Trump, \$2.25) are always right! Get Arrow White Shirts—they flatter you! Cluett, Peabody & Co., Inc.

★ BUY U. S. WAR BONDS AND STAMPS ★

LIFE'S REPORTS

ITALY BEGINS TO CRACK UP

Time & LIFE Office
London (by cable)

We are getting a steady stream of smuggled reports from Italy. The defeats in Africa and the R. A. F. bombing of Italian cities have combined to crack public morale. Here is a batch of the latest reports:

Because of the bombing, tens of thousands of families have migrated from the big North Italian towns to the surrounding provinces. Refugees from Genoa are flocking to the valleys of Liguria and Piedmont while Milan people are using every kind of vehicle to get to villages around Lake Como. Arriving in unbombed areas, the panic-stricken refugees tell awe-inspiring stories, thus spreading fear throughout the country. Reports from bombed cities agree in describing scenes of "great human misery."

All work is stopped in Genoa and Turin. Even unscarred factories stand idle, not only because many have had power and gas supplies cut off by bombs but because thousands of workers have run away. The *Corriere Della Sera* ordered "the civilian population of Milan" to leave the city in view of possible further bombings. Only the professionally indispensable must remain. Evacuees in North Italy are fighting for conveyances of escape and enormous prices are paid for transport and rent. Rich Italians are paying anything for any hole and have snatched up most of the empty houses in unbombed areas and sent rents rocketing.

Mussolini didn't dare to visit the bombed areas of Genoa, Turin and Milan. Instead he preferred to summon the Fascist secretaries from these cities to his palace in Rome. According to Swiss reports he frequently interrupted the accounts of the raids asking for more details, not about casualties or destruction but about popular remarks against him and his regime. There have been rumors that Mussolini suffers from stomach ulcers or a nervous breakdown, but anyhow he and members of his family don't appear in public now and he's

Extra Conviviality IN EVERY GLASS

There's traditional quality and flavor, pleasing potency in Southern Comfort that gives added zest and excitement to any drink. Your supply is not complete without Southern Comfort... The Grand Old Liqueur of the South.

FULL 100 PROOF
with the robust body of a mellow whiskey and the smoothness of a pure brandy.

SOLD AT BETTER BARS, HOTELS AND PACKAGE STORES

WORTH TRYING
1 Jigger of Southern Comfort
1 Jigger Port or
1 glass ice cubes
all with champagne

SOUTHERN COMFORT CORPORATION, SAINT LOUIS, MO.

SPARKLET Bulbs NOW SERVE AS LIFE SAVERS

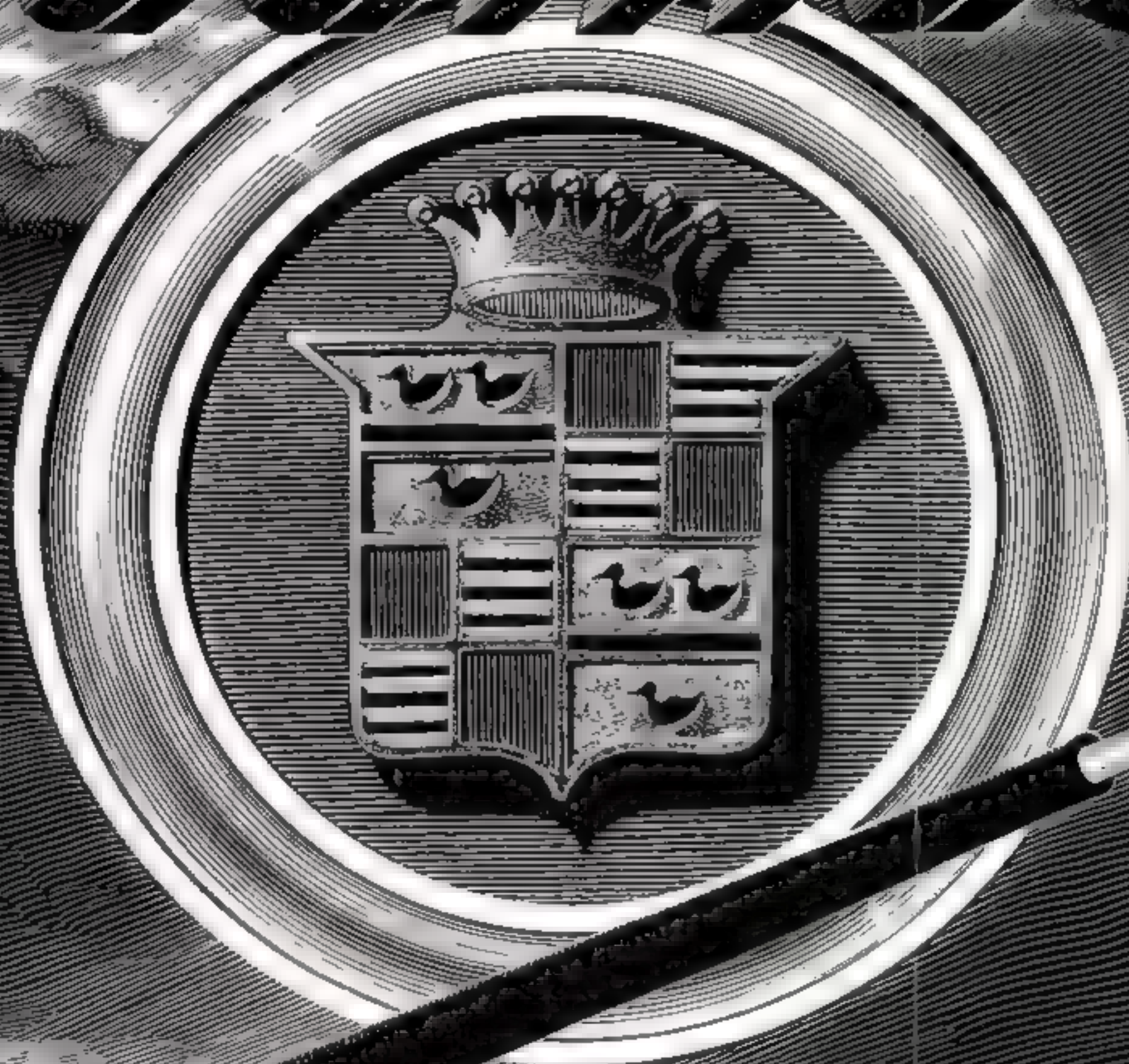
Now, when U. S. fighting men need buoyancy in life belts or life vests, a Sparklet Bulb inflates the garment instantly—at a single motion. When peace is won, these Sparklet Bulbs will resume their duty of charging the famous Sparklet Syphon with fresh, sparkling club soda—made at home... whenever you need it!

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• Sparklet Bulbs and Syphon for home use still available at some dealers.

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DIVISION OF KNAPP-MONARCH CO., SAINT LOUIS

Cadillac



We have the RIGHT JOB to do!

Today, there is only one thing of fundamental importance to a manufacturer engaged in armament production: *build it well and build it fast, so our gallant soldiers and sailors may have fighting tools to match their skill and their heroism.* Here at Cadillac, that is our one aim; and accomplishing it is our one great satisfaction. But as individuals, and as

an organization, we also enjoy one additional privilege. It is found in the fact that the armament work we are doing is precisely the type of work for which we are best trained and equipped. It calls for combining the finest precision craftsmanship with rugged, mass production—and we've trained for forty years on just such tasks. Thus, we are finding it

possible to exercise our own special skills while helping to arm America for victory. It means that our work in war will leave us even *better* equipped for our work in peace. It also gives us great confidence in our ability to meet production schedules on projects assigned to us. For we're doing the right thing—the job we know best how to do.

CADILLAC MOTOR CAR DIVISION



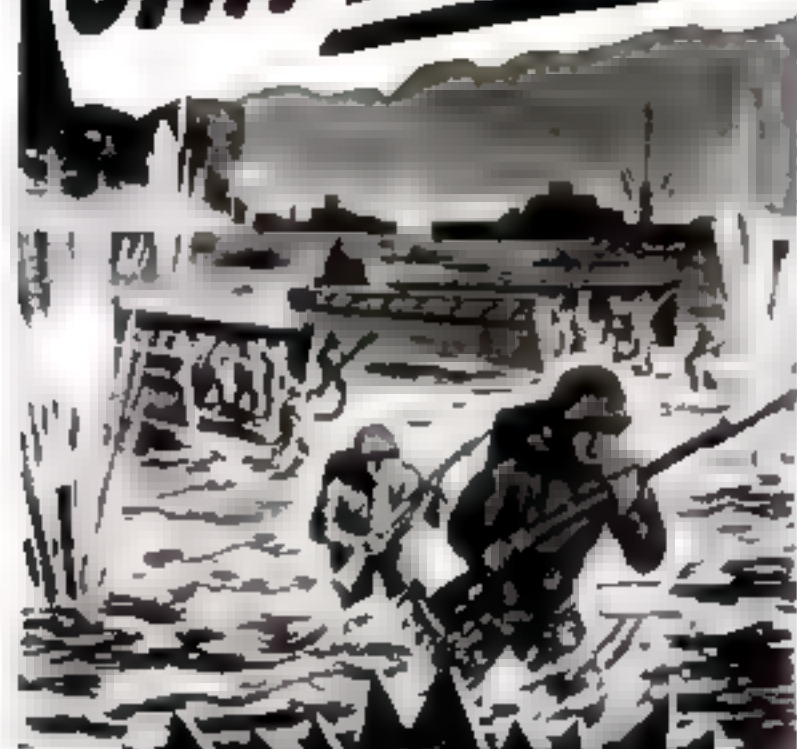
GENERAL MOTORS CORPORATION



IT TAKES A LOT OF MONEY
TO WIN A WAR—**BUY**
WAR BONDS AND STAMPS

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"YANKS INVADE AFRICA!"

On the spot movie record of opening of the Second Front! See Yanks in greatest sea-borne invasion in all history! See lightning occupation of North Africa's key positions! Gallantry! Courage! Heroic action! Here's a film of an American epic that will live forever! Show it on your own movie screen!

"VICTORY OVER ROMMEL!"

Rommel driven from the gates of Suez! See his shattered force in full flight! See the thrilling, close-up record of the Afrika Korps' smashing end! Here is the living action movie of the first great, decisive land victory won by the Allies! Pictures to treasure for a lifetime! Own them today!

LIFE'S REPORTS

(continued)

supposed to look like a very old man indeed.

Anti-German feeling is the strongest in southern Italy and particularly in Sicily, the home of the murderous secret societies, Mafia and Carbonari. It is reported that Sicily is the part of Italy most feared by German troops. Rumors are spreading of Luftwaffe boys who were a great success with Sicilian girls until they got long knives in their backs.

Greetings that once met Fascist Party members in hotels and cafes have ceased and there is now a stony silence. That is why Party members have stopped wearing Party badges in many places.

More than half of this year's harvest—around four million tons—went to Germany. This led to frequent clashes between the carabinieri and peasants, and punishments have been dealt out to railway men who have tried to prevent Italian food shipments from going to Germany. Many trains have been stopped or pillaged on the way to Germany and inhabitants of southern Italy are particularly angry, so shipments from there are now sent by sea via Fiume and Trieste to avoid train incidents.

Revolts among some 400,000 Italian workers sent to Germany and among soldiers dispatched to Russia are commonplace. Recently a train arrived at Verona with mutineers in manacles from the Russian front.

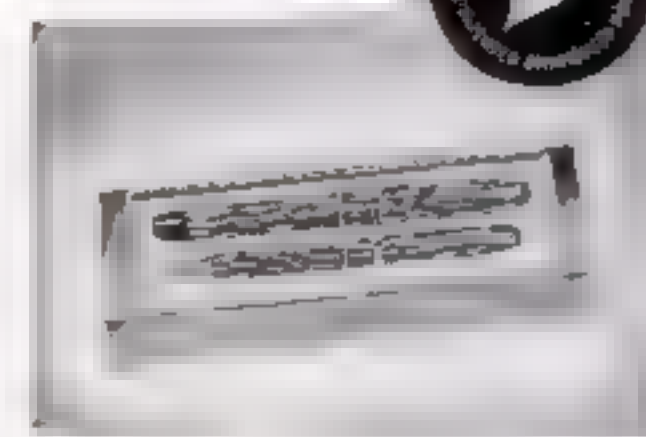
A traveler from Italy, arriving last week, relates an incident overheard in a Roman restaurant which is illustrative of Italian apathy. Two energetic Nazi visitors, irritated at the plethora of flies in the restaurant, reproached their droopy-eyed Blackshirt host, "Why don't you do something about this? We in Germany organized the struggle against the fly years ago." The Italian replied, "Ah, we too declared war on the fly long ago" and, after contemplating a dish covered with flies for a moment, shrugged his shoulders and added, "But the fly won."

The most objective and least



This fountain pen is his buddy . . . always with him and always ready to pen a letter home. A letter from home means everything to him. . . . Two **WEAREVERS*** one for him and one for you . . . will keep the letters coming and going. Be sure to

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at Department Stores,
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De Luxe
FOUNTAIN PENS
Since 1896

CONTINUED ON PAGE 21



Burgundy or Golden Sauterne with the Christmas turkey

If you haven't tried well roasted tender turkey in company with California's red Burgundy or golden Sauterne, you've a treat in store. If you choose a white table wine like Sauterne serve it well chilled. The red table wines are best when served at cool room temperature.

Wine ~ for friendliness this Christmas time

This year try the old warm-hearted custom of serving wine with your Christmas turkey. You'll find, when you do, that there's much in what famous cooks say—that food is *actually better when served with wine.*

More important, you'll discover that over good food and wine people draw closer together—find it easier to be good companions.

When wine becomes part of dinner, folks have an opportunity to ease up in a moderate way and enjoy

themselves. In fact that is what wine is made for—to help us all toward quiet friendliness, and group enjoyment of days like Christmas.

Connoisseurs will tell you that excellent wines are now grown in our own land. At your wine merchant's many of these sound, well-developed wines now await you. They cost surprisingly little. Your dealer will be glad to help you select among them. Wine Advisory Board, 85 Second Street, San Francisco.

HERE ARE THREE SMART WRINKLES IN HOLIDAY ENTERTAINING

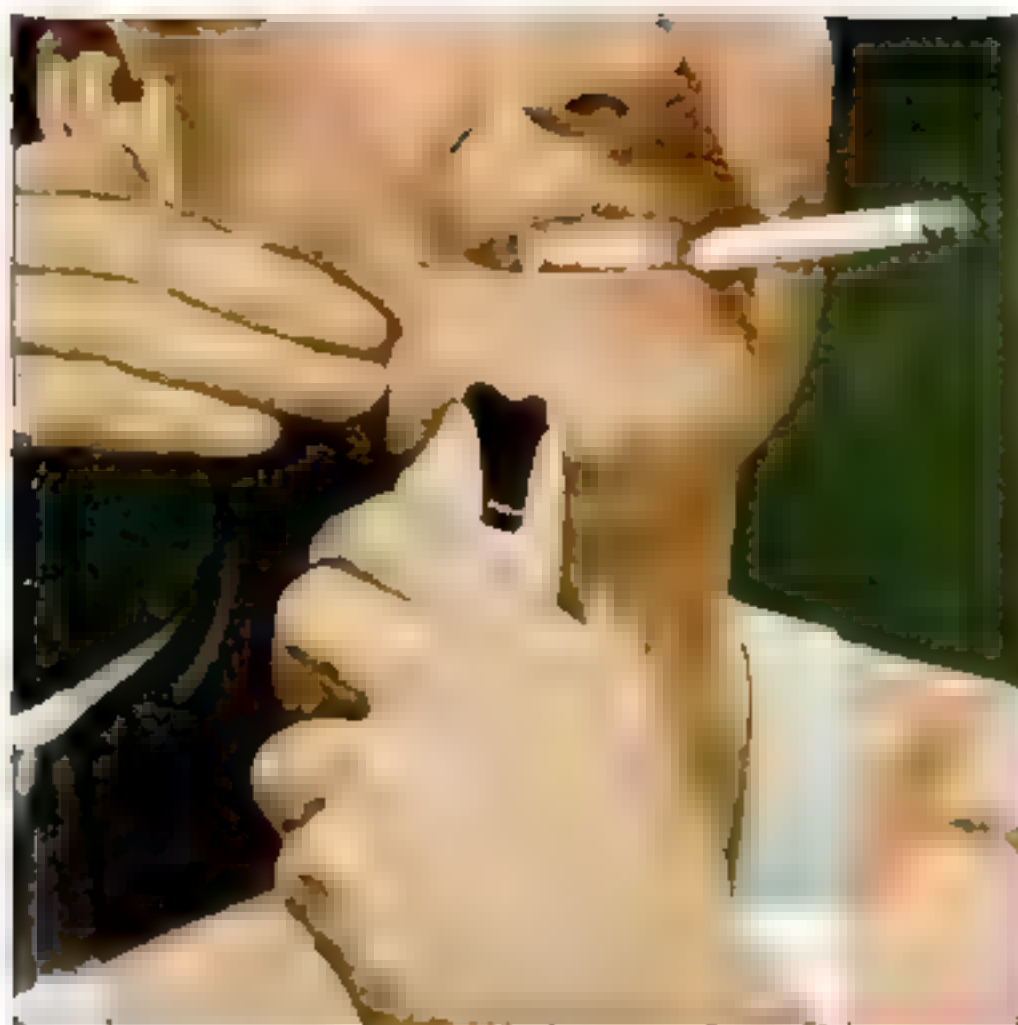


1. Hot spiced Wine: To one bottle of Burgundy or Claret add 8 cloves, 4 tablespoons sugar, rind of 1 lemon, dash of cinnamon. Heat mixture to near boil, strain at once and serve in thick glasses or mugs. This serves 6 to 8 people.

2. Champagne: For memorable occasions—either at dinner or in the evening. Bring Champagne to your table well chilled. A bottle of California Champagne costs surprisingly little and contains 6 to 8 servings.

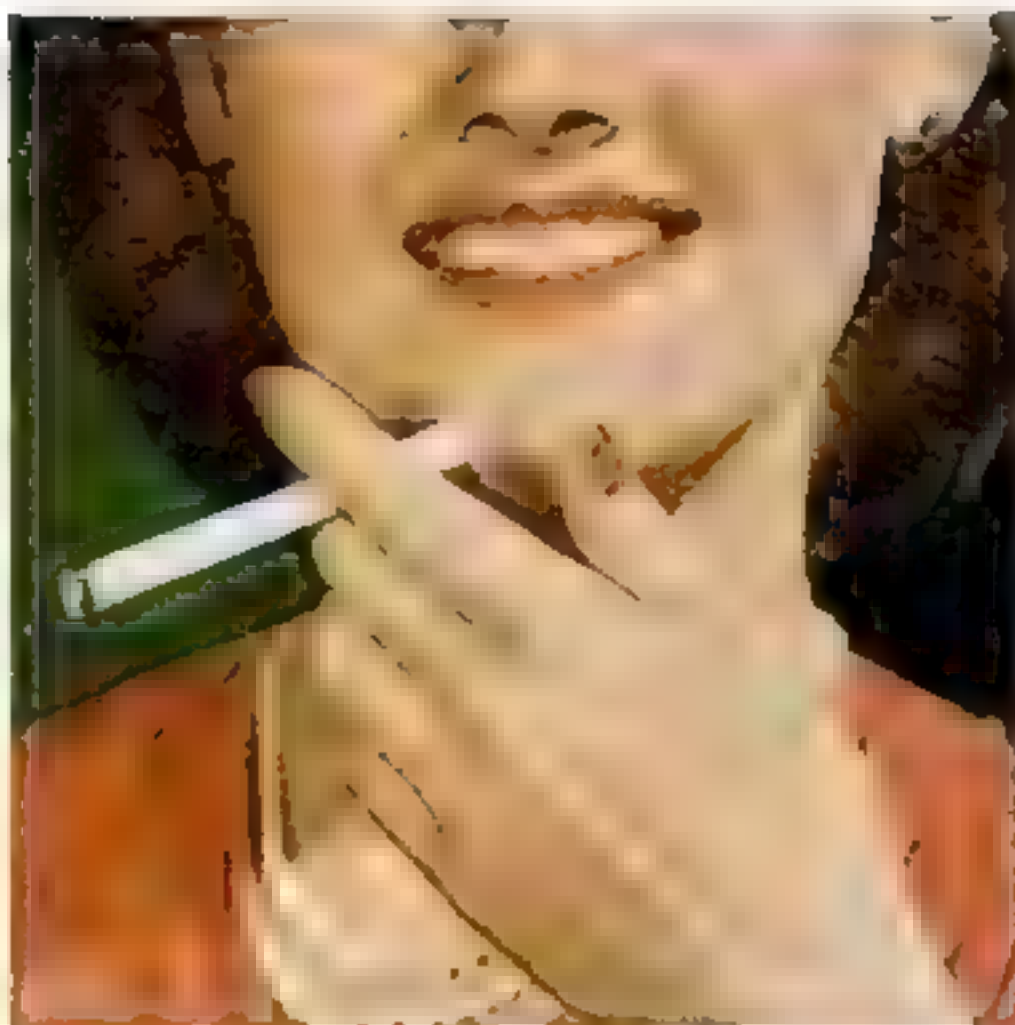


3. Port and Sherry with Buffet Suppers: Just set out on the buffet table a tray of small glasses and a bottle or decanter each of California Sherry and Port. Then let your guests serve themselves.



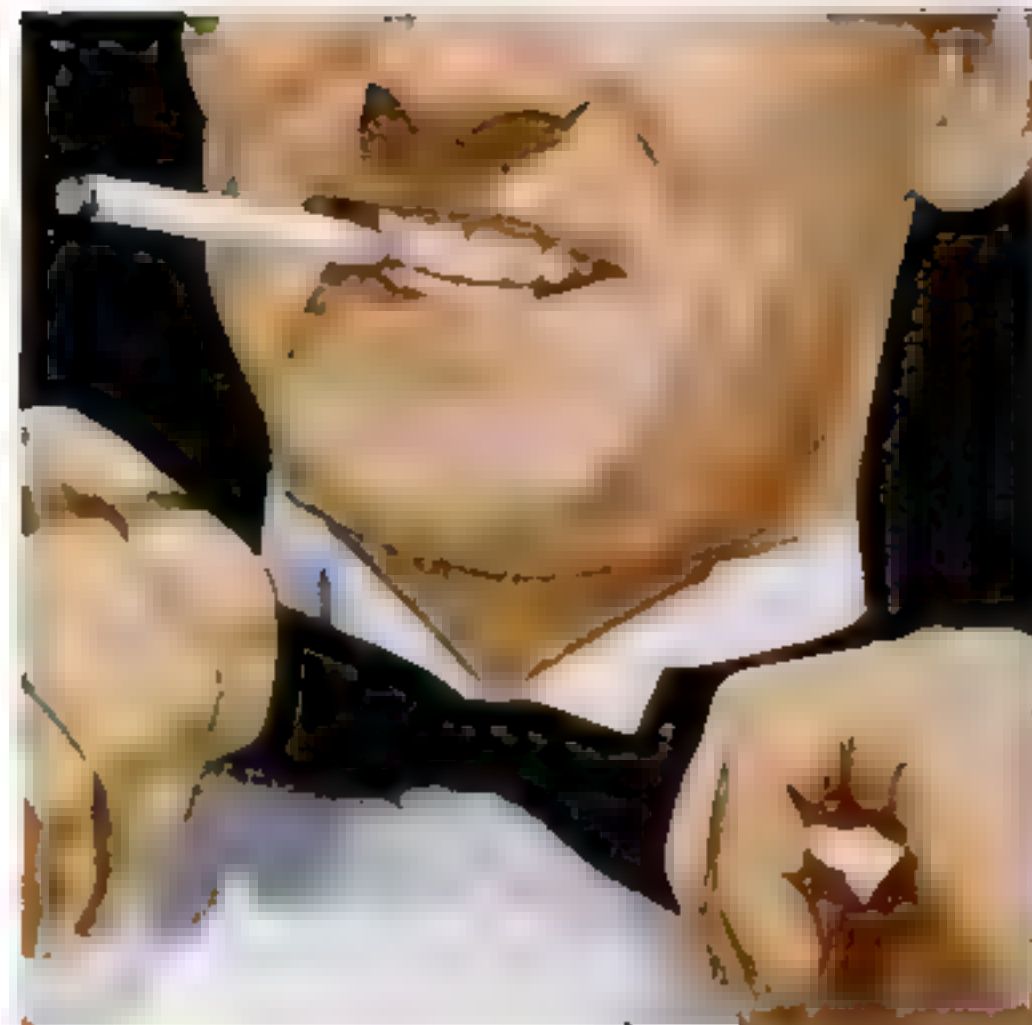
LESS NICOTINE? —

Certainly! Fleetwood's Imperial length assures it, provided you smoke a Fleetwood no farther than an old-size cigarette. The resulting longer end gives extra smoke filtration, reduces nicotine content!



LESS TAR STAIN? —

Of Course! The same 20% to 50% extra tobacco through which Fleetwood's smoke is filtered, not only reduces the nicotine in the smoke, but also reduces in the smoke those tars that stain fingers and teeth!



LESS THROAT IRRITANTS?

Surely! Along with selected milder tobaccos, and greater length, Fleetwood uses a modern moisture-retaining agent which does not produce acrolein, an irritating gas usually present in cigarette smoke!

Here's the cigarette the Reader's Digest didn't know about

Early last summer, when the famous Reader's Digest tested old-line cigarettes, Fleetwoods had not yet appeared. Specially planned, with the advice of chemists and physicians, to give the modern smoking safety pointed up by Reader's Digest . . . this new cigarette was also aimed at something new in flavor-goodness!

The development of Fleetwood required a year of work and an investment of several millions in fine vintage leaf tobacco. The new blend was developed with the guidance of professional tasters of fine wines, teas and coffees. And their sensitive tastes pronounced the final Fleetwood blend both milder and better-tasting than any of the six largest-selling cigarette brands! In confidence that you will find it a finer, better-tasting smoke, we take pride in offering you Fleetwood.

MORE SMOKING PLEASURE



FLEETWOOD
A cleaner, finer smoke

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A SUPERIOR CIGARETTE AT THE STANDARD PRICE • THE AXTON-FISHER TOBACCO CO., INC. • "HOUSE OF TRADITION" • LOUISVILLE, KY.

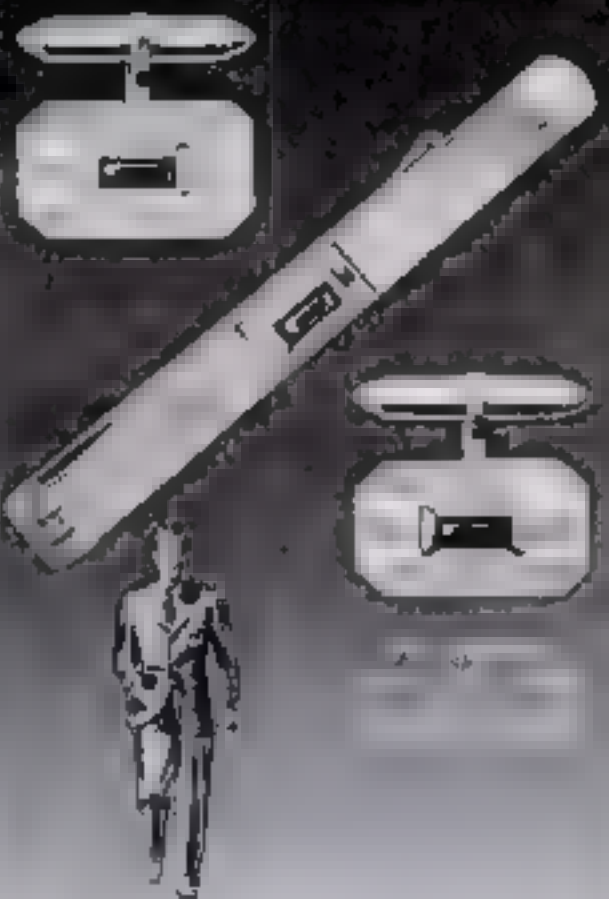
IN SERVICE ON THE HOME FRONT



Bicycles are rationed today so that persons who need them for essential jobs—in war production or Civilian Defense—can obtain them. If you need a bicycle, see your local rationing board or dealer who will show you how to get one. If you do not need a new bicycle for war time, service, buy War Bonds! Then you can buy a new, finer Columbia after Victory! The Westwood Manufacturing Company, Westfield, Mass.

Columbia
SINCE 1877
"AMERICA'S FIRST
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Krementz
FINE QUALITY
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YES, IT MAY COST
A LITTLE MORE...

But with an overlay of ACTUAL
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ry has the enduring, spark-
ling beauty of SOLID GOLD

Available wherever
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LIFE'S REPORTS

(continued)

wishful observers agree that organized revolt against Mussolini is likely to come from the upper bourgeoisie leagued with the Army or Fascist Party, not from the people itself. It wouldn't be a popular but a palace revolution. The clear tendency within the regime is to get rid of Mussolini and the pro-Germans but to preserve the system. Today this is the idea of Italian big industrialists, reportedly led by Ciano, Count Volpi, Senator Pirelli (famous tire manufacturer). In other words, a change of pro-German fascism to pro-Allied fascism. Leading Fascists are greatly impressed by Darlan's successful switch from Vichy to the Allies.

To combat this threat, the Fascist party is being purged of "oppositionists" and "nominal or rubber-stamp Fascists." More than 60,000 have been thrown out already and purges are proceeding at a frantic rate. The Fascist Militia also has begun to show signs of insubordination. Two of them, the 31st and 34th, had to be dissolved. A special battalion of Black-shirts, called Battalion M, has recently been organized for restoring and maintaining discipline in the Fascist Militia.

A major part of the Italian General Staff reportedly no longer believes that Germany can win the war. Army morale is low and the number of deserters reportedly is high. In Calabria, Sicily and Sardinia, popular reports speak of 300,000 deserters in the mountains and bush, avoiding arrest with the help of the local population.

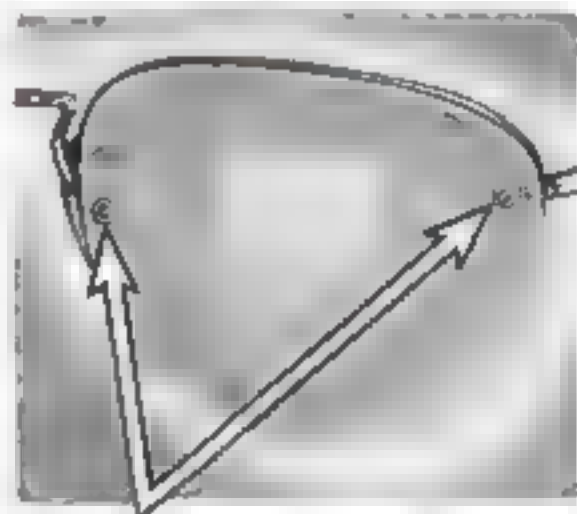
A lot is being written about knocking Italy out of the war by cracking her morally and politically. But to turn apathy into despair and despair into revolt much more will be needed than the conquest of North Africa. For a subversive movement in Italy to stand a reasonable chance of success two things are needed: Emergence of a leader and the breaking up of drastic German control. Both elements are missing. Even if Italy is invaded, Italian morale will crack but it won't break until German collapses are written on the wall for all to see.

"The Boys Had Me Labeled"



"My work was piling up, but I didn't figure the trouble could be my eyesight, until one of the boys told me right out that I should have my eyes examined. Sure enough, I found out I should have had new glasses long ago. These new Shuron glasses certainly work wonders. Believe me, I'm no bottleneck now!"

Have you had your eyes checked lately? With good vision so important to our war effort, everyone directly or indirectly concerned with war production should have regular eyesight examinations. If you should need new glasses, ask for Shurset Ful-Vue mountings with Shuron Widesite Wide Angle lenses. These new Shuron mountings are inconspicuous, smart and practical—and there are no better lenses made than Widesite.



Shurset mountings use a plastic cushioned screw-fastening to suspend each lens from the rigid top arm at two points—like a sign suspended from a bracket. Lenses are strain-free... stay in permanent alignment. Lens breakage is reduced to a minimum.

Shurset
FUL-VUE MOUNTINGS

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SHURON WIDESITE
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The Ideal Combination

SHURON OPTICAL CO., INC., GENEVA, N. Y.

F K East Stroudsburg Pa)

**WRITE HOW THE USE
OF KLEENEX TISSUES
SAVES YOU MONEY AND
HELPS WIN THE WAR.**

BECAUSE IT SERVES
UP JUST ONE
DOUBLE TISSUE
AT A TIME!

WHEN POTS AND PANS BOIL OVER I USE
KLEENEX TO WIPE OFF MY RANGE. IT
SAVES TIME... SAVES TOWELS FROM
BECOMING SMUDGED!

(from a letter by I R S
Buxton Oregon)

SINCE I ADOPTED THE
KLEENEX HABIT, MY
HANKIE-SCRUBBING
DAYS ARE OVER!
SAVES MY GOOD LINEN
KERCHIEFS—SAVES ON
LAUNDRY BILLS!

U S S Paducah

SILKS AND SATINS ARE SCARCE YOU KNOW,
SO NOW I'M WEARING
A KLEENEX BOW!

(from a letter by C L K., Memphis Tenn.)

**HINT!—FOLD INTO A BOW,
TIE THREAD AROUND CENTER!**

[★Trade Mark Reg. U. S. Pat. Off.]

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smart and comfy
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Westminster
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• Or around a corner, without moving from your chair?

It's really not as fantastic as it sounds. For television is ready to lead you into a realm of magic and surprise . . . to let you see through walls and over mountains, around corners and across plains.

Today, the Farnsworth laboratories are applying the knowledge gained through 15 years of delving into the mysteries of electronics directly to the nation's war effort.

The large Farnsworth factories, with their thousands of skilled employees and their 14 years' experience in the manufacture of the superb

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We cannot describe these instruments to you. But it would do your heart good to see them, and the almost incredible things many of them accomplish. And you can rest assured that no enemy country has equipment so fine or so far-reaching as that supplied our fighting men by the American electronics industry.

We are glad to be able to tell you that progress in television is still going on, because of vital war production. Each contributes to the other. Today the television images are clearer, and even

color is a reality. Here indeed may be America's next great industry — a vital factor in post-war trade and employment.

You cannot have this marvelous new television until peace once more is ours. But your purchase of War Bonds *now* will speed that day of Victory! Your country needs your investment; and you will be building soundly for the future, when you may want a new motor car, or airplane, or home, or phonograph-radio, or television set.

And when tomorrow comes, Farnsworth Television will be ready to bring the pageant of history, the splendor of art, the flourish and romance of life, in *bright parade daily through your home*.

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Michael
President
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5. Buxton "Sam Browne" Billfold for men in service. Removable purse, credential case, hidden window for "HER" snapshot!—\$3.50; others at \$5.

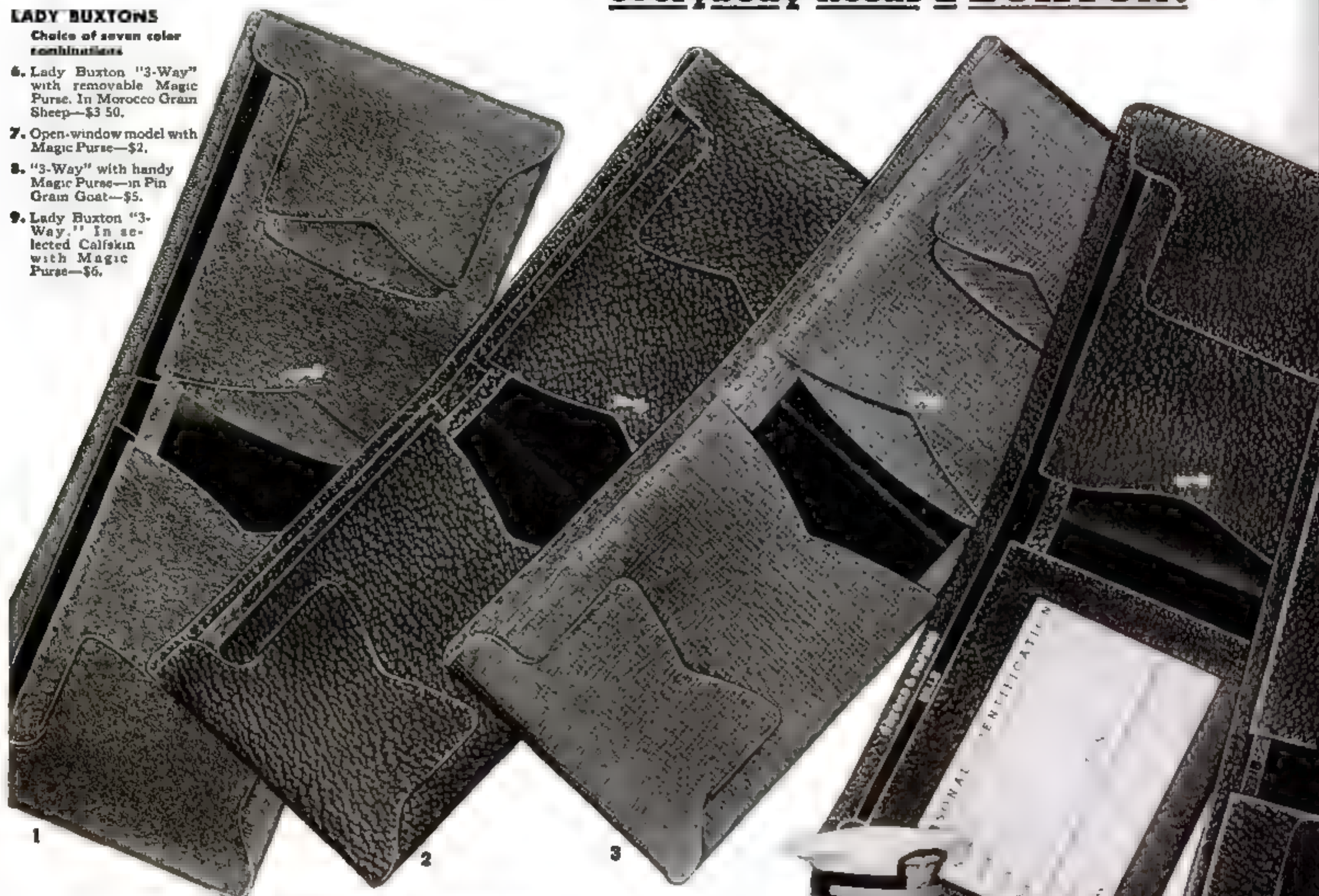
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6. Lady Buxton "3-Way" with removable Magic Purse. In Morocco Grain Sheep—\$3.50.
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8. "3-Way" with handy Magic Purse—in Pin Grain Goat—\$5.
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The Gift of THIS Year

With today's registration cards, personal other wartime credentials, as well as **everybody needs a BUXTON!**



**A BUXTON'S more than a billfold—
it's a regular "pocket file"!**

Here's organization that'll save you each day precious minutes of fumbling for papers, money, cards, credentials! The Buxton "3-Way" is a regular "pocket file." So trim and shapely you won't believe it contains 3 full-length compartments plus 8 smaller ones!

For added security the "3-Way" contains an inner wafer-thin fold. Lifted out entirely it slips into your inside pocket without a bulge. Use it to carry money or confidential papers in two places or alone for evening wear . . . When you don't want strangers to see contents of your billfold, reverse inner partition and you have a "secret compartment."

Ingeniously folded—no stitches to rip! The "3-Way" is actually stitchless. It's ingeniously folded into a patented, self-interlocking construction that requires neither stitches nor glue to hold it together. And here's our guarantee: "If any stitchless Buxton should give out in normal use before the leather itself wears out, we will replace it FREE!"



**A special BUXTON
for men in the Service**

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The Magic Purse is
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in a jiffy!



Simply unsnap the purse,
lift out the "flaplock"
and you have a smart
coin purse. When you
want to use complete
billfold, just snap the
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When I'm in uniform . . . a Lady Buxton's an essential!

These days, I have more things to
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in uniform, I find my Lady Buxton so
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My "3 Way" Lady Buxton's smart
looking and beautifully tailored, yet
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wafer thin billfold for glamorous
evenings!

Lady Buxton's *patented* construc-
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"just bought" shape!

Take a tip from a gal who knows.
This year thrill her with a Lady
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Four Grand Features Exclusive with Lady Buxton "3-Way"

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Ideal with slacks or uniform
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2. A twist of the wrist reverses Lady
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have a "secret hide-away" com-
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lets Lady Buxton expand as it's
filled—ease back into shape as load
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4. Gay colors to match your costume.



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A candy castle... snowdrifts of marshmallow? What youngster hasn't seen them in his dreams?

To the great candy industry of America, corn syrup is a necessary ingredient. Used in other foods as well as candy, it contributes much to the energy and nutrition of the nation. Many millions of pounds of corn syrup are produced each year by Anheuser-Busch for manufacturers of many essential products. Our Corn Products Division is an industry in itself.

Year after year, we have striven with research and resources to better the methods and facilities for brewing Budweiser. To do this, a laboratory specializing in fermentology and nutrition was necessary. Discoveries made in the laboratory and in the plant have led to the development of products contributing to human necessity and progress. Some of these products would appear to have only a remote relationship to brewing, yet, they are the result of scientific research into many allied fields.



In addition to supplying the armed forces with glider assemblies, gun turret parts and food-stuffs, Anheuser-Busch produces materials which go into the manufacture of:

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LIFE'S PICTURES

Al Brick, who took some of the remarkable pictures of Pearl Harbor in this week's issue, deserved to get the first American scoop of the war. He went to Honolulu in April 1941, so as to be there when something happened. In his nine months of waiting, he acquired the most beautiful sun tan ever seen at the Outrigger Canoe Club. On the morning of Dec. 7 he was at Pearl Harbor, photographed the Japanese attack from start to finish.

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ABBREVIATIONS. CEN., CENTER; EXC., EXCEPT; LT., LEFT; RT., RIGHT; T., TOP; A. P., ASSOCIATED PRESS; EUR., EUROPEAN; INT., INTERNATIONAL; M-G-M, METRO-GOLDWYN-MAYER; P. P. C., PICTORIAL PUBLISHING CO.; W. W., WIDE WORLD

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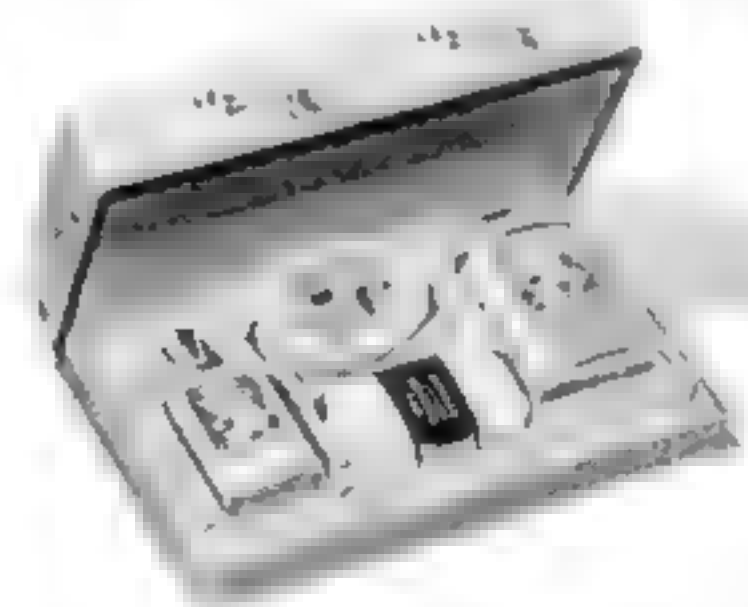
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HOW TO FIND GOOD EATING



Mills College, set back in the Oakland Hills of California, boasts—in addition to its reputation as the Vassar of the West—a tea room with this charming patio. The outdoor fireplace is used for barbecues during brisk weather. But whether the students are dining indoors or out,

they like their food flavored with lusty Heinz condiments—such as Heinz Prepared Mustard, Heinz Tomato Ketchup, Worcestershire Sauce, Chili Sauce and 57 Beefsteak Sauce. For they have just the right zip and zest to please hearty schoolgirl appetites!



Foremost dinner and supper club of the Nation's Capitol the Troika, features Russian dishes and delightful entertainment. Heinz condiments are popular for the rare, racy lift they give the unusual specialties and other fine foods served at this exclusive restaurant!



A series of windows in McCarthy's Cafe, located on the outskirts of Minneapolis, open on this elevated rock garden. McCarthy's is noted for superior food and beautiful landscaping. And of course Heinz Codd Sauce and other condiments are great favorites.



Oldest department store west of the Alleghenies, John Shillito Company of Cincinnati, has three restaurants and a cafeteria for its associates. In the tea room guests watch a fashion show while they enjoy food enriched with Heinz condiments.

A SURE GUIDE to good food when you're dining out is the familiar keystone label. For it naturally follows that restaurants which serve these fine condiments will prepare their food with equal insistence on perfection. And don't forget that Heinz condiments add a world of interest to cheaper cuts of meats as well as meatless dishes. Try Heinz Chili Sauce, 57 Beefsteak Sauce or Worcestershire Sauce for a change. Use a different one every day. And go easy on Heinz Tomato Ketchup. The

57

boys in service like it, too!



You select your own cut of savory roast beef from a portable kitchen wheeled to you at Lawry's Prime Rib in Los Angeles. Equally luscious is Lawry's Yorkshire pudding the chef is making . . . On every table are Heinz condiments to lend distinction to this fare.



THE "ARIZONA," "TENNESSEE," "WEST VIRGINIA," "MARYLAND" AND "OKLAHOMA" LIE CONSUMED IN FLAME AND EXPLOSION ON THE AWFUL MORNING OF DEC. 7, 1941

PEARL HARBOR DAMAGE REVEALED

Last week, on the war's first anniversary, the U. S. Government told its people what really happened at Pearl Harbor on Dec. 7, 1941. The story was not pleasant but it did not come as a shock to all Americans. When Secretary of the Navy Knox issued his report on Dec. 15, 1941, listing the battleship *Arizona*, the target ship *Utah*, a mine layer and three destroyers sunk and the battleship *Oklahoma* capsized, the country realized that, because of military security, he could not tell of other damage that must have occurred. In the absence of fact, wild rumors as to the extent of the actual damage multiplied and spread. With the truth, most of them proved to be exaggerations. For though the Fleet suffered a crippling blow Dec. 7, the Government's report showed that by today most of the damage had been repaired.

On the fateful morning of Dec. 7, two powerful task forces lay in the land locked channels of Pearl Harbor. They were made up of eight battleships and

78 auxiliary vessels. Shortly before 8 a. m. Japanese torpedo planes, high-level and dive bombers struck at the Naval Air Station at Kaneohe Bay, to the north east of Pearl Harbor, and then went on to attack the Fleet and the Army's nearby Hickam and Wheeler Fields. In a short time, 80 Navy and 97 Army planes were put out of commission so that the only U. S. defensive measures consisted of anti-aircraft fire from ships and shore-placed batteries. And by this time well-placed hits had turned the mighty warships, moored side-by-side in Battleship Row, into towering pyres of oily smoke and sooty flame (see above). The fire licked at magazines which exploded with devastating effect. Above the holocaust sounded the sharp bark of anti-aircraft guns, manned by heroic seamen, many of whom were killed at their stations.

After a 15-minute lull, the planes returned to strike again. When they left at 9:45 a. m. all eight battleships had been damaged—the *Arizona*, *Oklahoma*,

California, *Nevada* and *West Virginia* so severely that they would serve no military purpose for months to come, and the *Pennsylvania*, *Maryland* and *Tennessee* so that they needed immediate repair. In addition, the destroyers *Shaw*, *Cassin* and *Downer*, the mine layer *Oglala*, the *Utah* and a floating drydock were smashed or sunk and the cruisers *Helena*, *Honolulu* and *Raleigh*, the seaplane tender *Curtiss* and the repair ship *Vestal* were seriously crippled. Personnel losses were heavy—2,343 officers and men had been killed, 960 were missing and 1,272 were wounded. The Japs had lost 48 planes and three midget submarines.

In two hours every battleship and most of the planes in the Hawaiian area had been disabled. Only a miracle of Japanese short-sightedness saved the Pacific outpost from further attack. Now, with only the *Arizona* lost to the Fleet, this country could be thankful that it had not lost the Pacific war on its first day and that Dec. 7, 1941 could not happen again.



View of Pearl Harbor looking southwest from the hills behind, shows the destructive accuracy of the attacking Japanese torpedo planes and bombers. This photograph was taken

at the height of the Dec. 7 battle by *Maxtone News* cameraman Al Brick. To the left are the repair docks and shops of the Pacific Fleet, marked by high latticed cranes and derricks.

The smoke at left center marks the drydock of the battle ship *Pennsylvania* and the destroyers *Cassin* and *Downes*, all of which were hit. The battleship in the center is probably the



Five proud battleships burn on the eastern shore of Ford Island. This picture is a broadside view of the damage shown at the far right in the photograph above. The camera is looking

due west at Ford Island, which lies in the middle of the great saucer that is Pearl Harbor. At the far right, the battleship *Arizona*, forever lost to the Fleet, has listed deep in the wa-

ter after her magazines exploded and tore her hull apart. In the center, with masts rising parallel, lie the *West Virginia* and the *Tennessee*. The *West Virginia*, by now severely dam-



Nevada, moving for the channel in the background and the open sea. She was later hit and beached at Hospital Point at the channel's mouth. At the right-center, smoke from the *Col-*

bornia and burning planes on Ford Island rises in the morning sky. But the most terrible destruction is shown at the right. There—in Battleship Row on the east shore of Ford Is-

land, are moored the *Arizona*, *Tennessee*, *West Virginia*, *Marshall* and *Oklahoma*. The *Oklahoma* lies heavily capsized and explodes, and flames are sweeping through the other ships.



aged by bombs and torpedoes, has sunk in the water so that her masts are lower than those of the *Tennessee*. Both of the battleships are burning fiercely. In the left foreground, with

her steel belly in the air, the *Oklahoma* lies in front of the U. S. S. *Marshall* whose forward mast and bow can be seen through the clouds of smoke. All about the wrecked men-of-

war, small harbor boats are fighting the fire and rescuing men from the oil-scurmed water and infernos of the ships. A number of the burning ships are still shooting at Japanese planes.



Flagship of the U. S. Fleet, the U. S. S. *Pennsylvania* lies in a big drydock behind the wreckage of the destroyers *Cassin* (right) and *Downes* (left). *Pennsylvania* suffered relatively

light damage and was repaired soon after Dec. 7. The *Cassin* and *Downes* were both lost, but their machinery and equipment are being transferred to new hulls. Their sister ship,

the *Shaw*, whose bow was blown off by a magazine explosion, was patched up temporarily, sent to the U. S. for new power, fitted with a new bow and is now back with the fleet.



Burning oil added to the terror of Dec. 7. This scene, looking north from the boat landing at Ford Island, shows the U.S.S. *California* framed by two towering columns of black smoke.

Each hour, it right is moving in as close as it dares to try to smother the devouring flames. Close-up of the same scene (below) shows the swarming over the side of the *California*, seeking

the comparative safety of Ford Island. Smoke to the right hides the *Maryland*—and the other battleships behind her in Battleship Row. Hull at the right is the cap-sized *Oklahoma*.





Against a backdrop of smoke, small boats stand by the *West Virginia* and the *Tennessee* behind her. Flot of overturned scout planes can be seen near after turret of the *West Virginia*,

directly above a small launch that is moored alongside. This is evidently after the attack, for men have left their battle stations and are looking about at the havoc that is left. Both

of the ships' Bays are still flying defiantly. The *West Virginia*, smashed by bombs and more exposed to torpedoes than the *Tennessee*, is resting on the bottom. The *Tennessee* is aiso



P-40 engines remain at Wheeler Field after their planes have been destroyed. Jap attackers surprised close-packed Army and Navy aircraft on the ground and bombed and strafed

most planes before they could take off to fight. Practically the only U.S. planes in the air at the time of the attack were 18 scout bombers flying to Ford Island from an aircraft carrier



Navy planes on the ramps at Ford Island were hit as gas and oil tanks flamed up behind them. Of the 402 Navy planes of varied types on Ford Island, 150 were destroyed or disabled



seriously damaged. Now, after the attack, three more battleships are in the same condition as the *West Virginia*, two like the *Tennessees*. The *Arizona* (far right) is the only large ship

permanently lost to the Fleet. Besides this damage, three destroyers, a minelayer and a target ship have been sunk, and three cruisers, a seaplane tender, a repair ship and a float-

ing drydock hit. For this success, the Japanese paid the relatively small price of 49 planes and three small submarines—two of which got into Pearl Harbor and were destroyed there.



there by enemy action and of the remaining 32, 33 took off to fight the Japs while 14 were blocked by debris or could not be serviced in time to be of much use during the battle.



A smashed Flying Fortress at Hickam Field is examined for salvage after the attack. Some Jap caught this plane neatly in the middle, making sure that it would never fly again. Of

273 planes, the Army lost 23 bombers, 66 fighters and eight other planes during the two hours on Dec. 7. Jap planes also strafed barracks and hangars at Hickam, killing many men.

LIFE ON THE NEWSFRONTS OF THE WORLD

It Takes The Sun Eleven Hours To Cross Great Heroic Russia

During most of our history we Americans could always be pretty sure that we were the glamorpeople of the earth. Even when we made mistakes we had the It. We had the most bountiful continental strip on the planet. We had more education, more opportunity, more chance for self-expression than any other people. And we were confident that, whatever happened, our way of life could set the standard for all the world.

We still are a glamor people. We have great influence among the nations, and they look to us with much hope. Yet our ability to win friends and influence people has suffered certain modifications during the past several years. Other people have been doing bigger and more spectacular jobs.

For instance, it was the British who called Hitler's bluff in 1939, stood up under the Luftwaffe in the Battle of Britain, and checked the holocaust at the rim of the Atlantic Ocean which, as we can now see, is really our front yard. It was the Poles, the Greeks, the Yugoslavs who decided to fight against hopeless odds. And on the other side of the world it was the Chinese who stood up against the Jap thrust into Asia and thereby prevented the creation of an impregnable Japanese empire. That heroic act cost 5,000,000 Chinese lives.

Mother Russia

And last week, as the great Russian Army lurched forward on its 1,800-mile line, the world was acutely aware of another people who have been performing great and heroic deeds. On almost every count the Russians have done the biggest job of the war. They have done it against the expectations of most prognosticators and with a courage that commentators find impossible to describe. At the moment, the Russians are the glamor people, and they deserve to be.

Indeed, if size has anything to do with glamor, Russia can certainly qualify. The U. S. has always thought of itself as big, but the U. S. S. R. is the Gargantua of nations. It is bigger than the entire continent of South America and has twice the population (195,000,000). It takes the sun eleven hours to traverse Mother Russia—when the cold dawn breaks over the huts of Uelen on the Bering strait, the people of Moscow are just closing their shops from the previous day. Near the station platform in Vladivostok there is a marker bearing the figure 9,323—the kilometers to Moscow. This is 5,793 miles, the distance from New York to Patagonia in the Argentine.

It is a vast arena, a place for big thoughts and big action. Everything that happens is big. With the aid of British and American

medical supplies the Russians are sending back into action about 70% of their war wounded—a salvaged army which is half as big as all the U. S. armed forces. The area already occupied by the Germans is 800,000 square miles, about a quarter of the area of the U. S. The best way to grasp the extent of the German thrust is to imagine what it would be like if Hitler had landed on our East Coast and taken everything as far west as Chicago (Moscow), St. Louis (Stalingrad) and the Ozarks (the Caucasus). About 80,000,000 people lived in that part of Russia before the war broke out, and of these about 40,000,000 were evacuated.

The Horizon of the Citizens

But Mother Russia is not only big geographically, she is big in terms of human development. The effectiveness of the Russians is one of the surprises of our time. Whether it is a job of moving a factory a thousand miles into the interior, or setting up a library in the middle of Siberia, or digging resources out of the earth and transforming them into fighting machines, the Russians are showing an ability to get things done that the world never suspected. At the same time, education has advanced even faster than industry. In 1914 more than 70% of the people were illiterate; in 1939 more than 80% of those over 9 years old were literate, with 223 students per thousand of population. New alphabets have been adopted for 50 different U. S. S. R. nationalities that had never before had a written language. And Russia prints more books than any other country—701,000,000 copies in 1939. She has done a spectacular job in the fundamental business of increasing the horizon of her citizens. And for the little people of the earth that fact has glamor too.

Whose Peace Table?

The American people are generous in their admiration of Russia. And most Americans also recognize that if it had not been for Russia our war would be a lot worse. As Ellis Farrar, a Negro shoe-dyer of Chicago, said last week, "They're saving us a hell of a lot of men." But this frank admiration is complicated in the American mind by various factors. Chief of these is the American's suspicion of communism. Many Russian observers assure us that Russia is not really communistic, and technically they may be right. Nevertheless, the average American is convinced—not without reason—that the comrades are seeking to spread some version of that doctrine throughout the world. In this regard it can be said that the American Communist Party and other factions that try to follow only the Moscow line are Russia's own worst enemies. If the Party were to fold up and disappear, Russia's cause in America would be immeasurably advanced.

Fear and suspicion of communism have led Americans to a baffling question. When we come to sit down at a peace table with Russia, whose peace table will it be? We don't want the peace table exclusively, but we do want to have a real say at it. We want the future world to be the kind of world in which our democratic institutions can flourish and grow. But on the record thus far it would look as if Josef Stalin might have the biggest say at that table. And what will Josef Stalin have to say about our kind of world?

The Challenge

The answers to this question will probably be complicated, and will certainly take a long time to work out. But there is one answer that we can make now, to ourselves, as a kind of starting point. The fact is that Russia presents us with a challenge. We believe in freedom as the keystone of human progress. But the only way we can assure that our free institutions will have their say in the post-war world is to make them more effective now than any other institutions. When we sit down at the table with our great and heroically there must be no doubt that democracy is the most vital force in the world.

Concretely, this means a lot of immediate things. It means that our people, who are lovers of peace, must nevertheless make themselves terrible in war. It means smart generals, resolute fighting men, efficient war management in Washington. It means more industrial production, longer hours of work, tremendous taxes cheerfully paid. One of our big jobs also is to support all the war relief agencies and thus to help our Allies to fight. Russian War Relief, as an example, is just entering the final stages of a campaign to raise \$6,000,000 for medical supplies and other items (such as seeds) that the Russians desperately need. Every American should make it his personal war concern to see that this fund is oversubscribed. (England has contributed more than \$10,000,000 in her campaign.) For that matter, one of the most important elements of democracy is just plain generosity. Many people, knowing how comfortable we are, in a world of destruction and starvation, will measure our free institutions in terms of what we are willing to give to support life and health in less fortunate lands.

Americans are not paragons. They don't possess all the virtues, and probably they don't ever intend to. But they have a political system that has enabled them to do big things in the past, and if they want they can make it do even bigger things in the future. That will be the ultimate measure of our relationship with Russia, or any other country, however complicated and vexing the technicalities. We must love freedom so deeply, and practice it so intelligently, that our works will shine before us.

PICTURE OF THE WEEK

On the clear, crisp 26th of November, 15,000 troops stationed at Camp Roberts, Calif. filed in to their big camp amphitheater for Thanksgiving

services. For 45 minutes they listened to reasons for being thankful, this year above all others. At the conclusion of the ceremonies they were asked to

pray for a moment. As one man, the 15,000 seated in Soldier Bowl removed their Army helmets, field and garrison caps, and bowed in silent prayer.

15,000 soldiers at Camp Roberts, Calif.
bow their bare heads in a Thanksgiving
prayer, grateful that they are Americans



U. S. CARRIER IS BOMBED

Rarely in naval battles does a photographer have a chance for complete coverage since such actions usually spread out over too great an area for cameras to encompass. Here on these pages, though, is a blow-by-blow bombing of an unnamed U. S. aircraft carrier taken by an official U. S. Navy newsreel cameraman during an attack by Jap dive bombers. No pictures of the U. S. at war have given a closer, more detailed view of sea warfare than these.

Taken from the carrier's bridge, these pictures

show each sequence of the short, furious battle from the few minutes of anti-aircraft firing before the Jap planes dropped their bombs to the shattering explosions of bombs hitting the deck and the courageous work of the fire-control crews under heavy fire.

At no time during the battle did the photographer flinch. So engrossed was he in photographing that he failed to notice everyone on deck ducking the final pass of the dive bombers and stood by his camera when the huge bomb hit directly before him.



1 FIRST BOMB LANDS ON ANTI-AIRCRAFT GUN GALLERY



2 EXPLOSION KNOCKS THE FORWARD GUN OUT OF ACTION



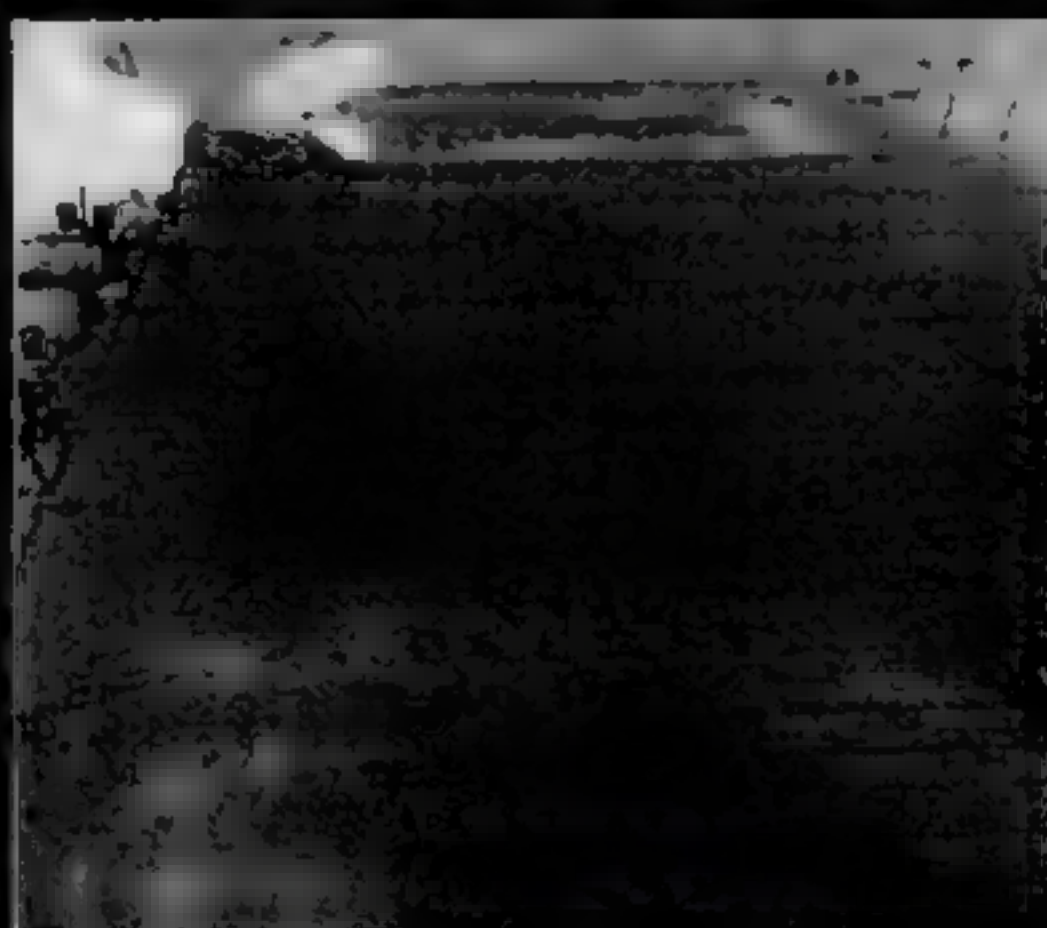
3 FRAGMENTS OF FLIGHT DECK HURTLE THROUGH THE AIR



4 OTHER CREWS KEEP GUNS GOING DESPITE THE BARRIS



5 MAJOR EXPLOSION OCCURS JUST BELOW FLIGHT DECK



6 HANGAR-DECK SMOKE SEEPS THROUGH PLANE ELEVATOR



7 FIRE-CONTROL CREW GOES INTO ACTION, THEN DUCKS



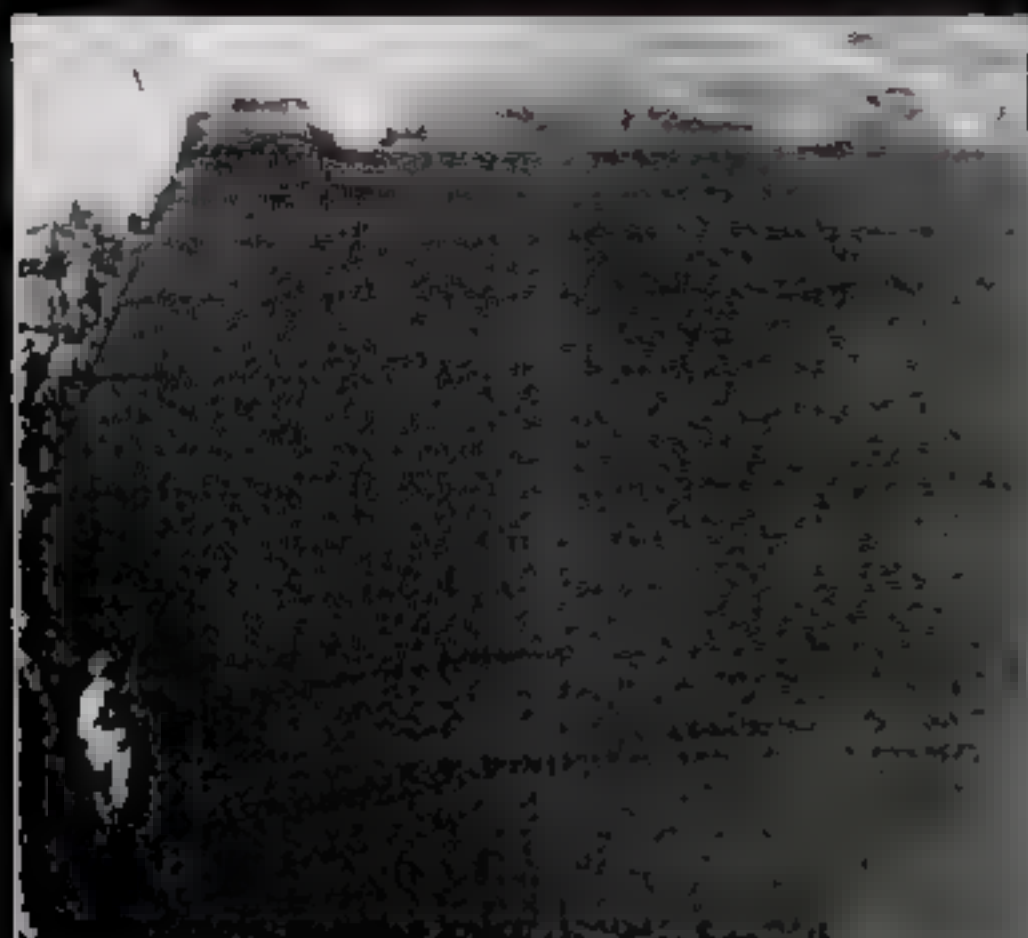
8 AFTER PLANES LEAVE, FIRE-CONTROL CREW RETURNS



9 SEEING MORE PLANES DIVING IN, THEY CHECK RUN



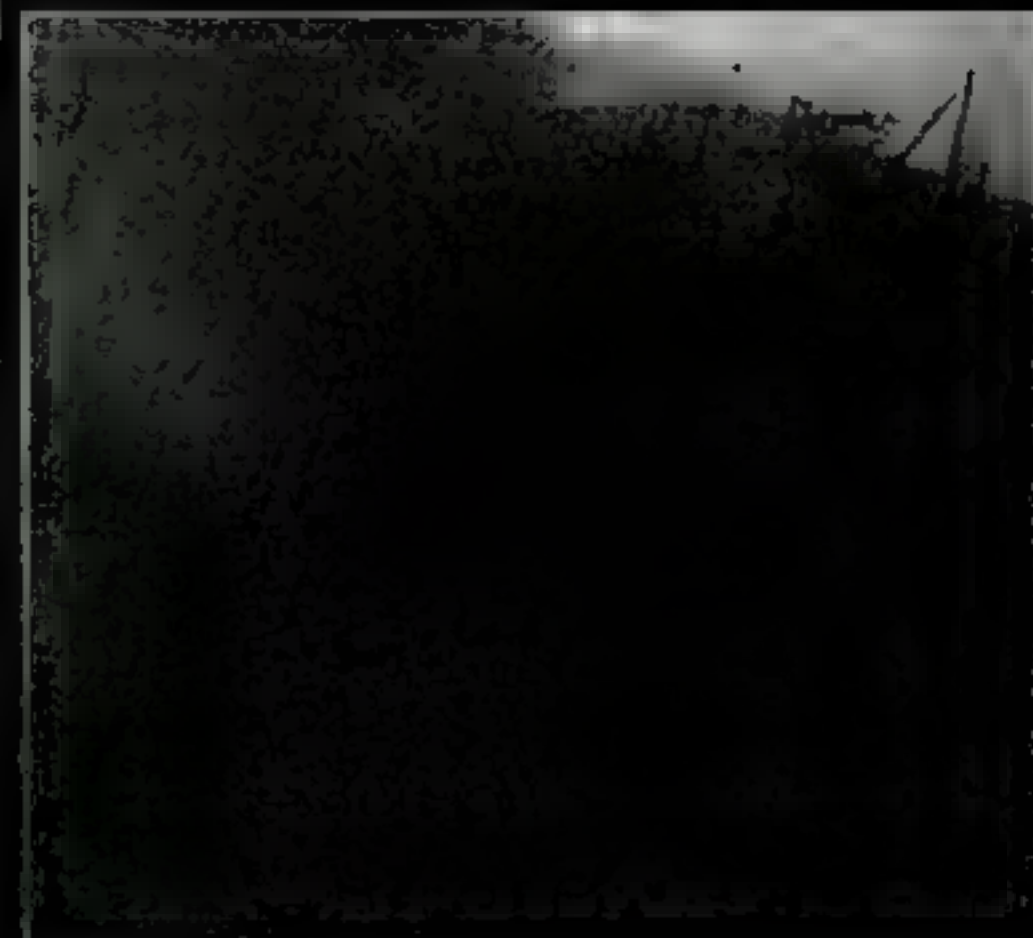
10 SAILORS RUN FOR COVER AS PLANES RELEASE BOMBS



11 MAN IN FOREGROUND TAKES FINAL LOOK AT BOMBER



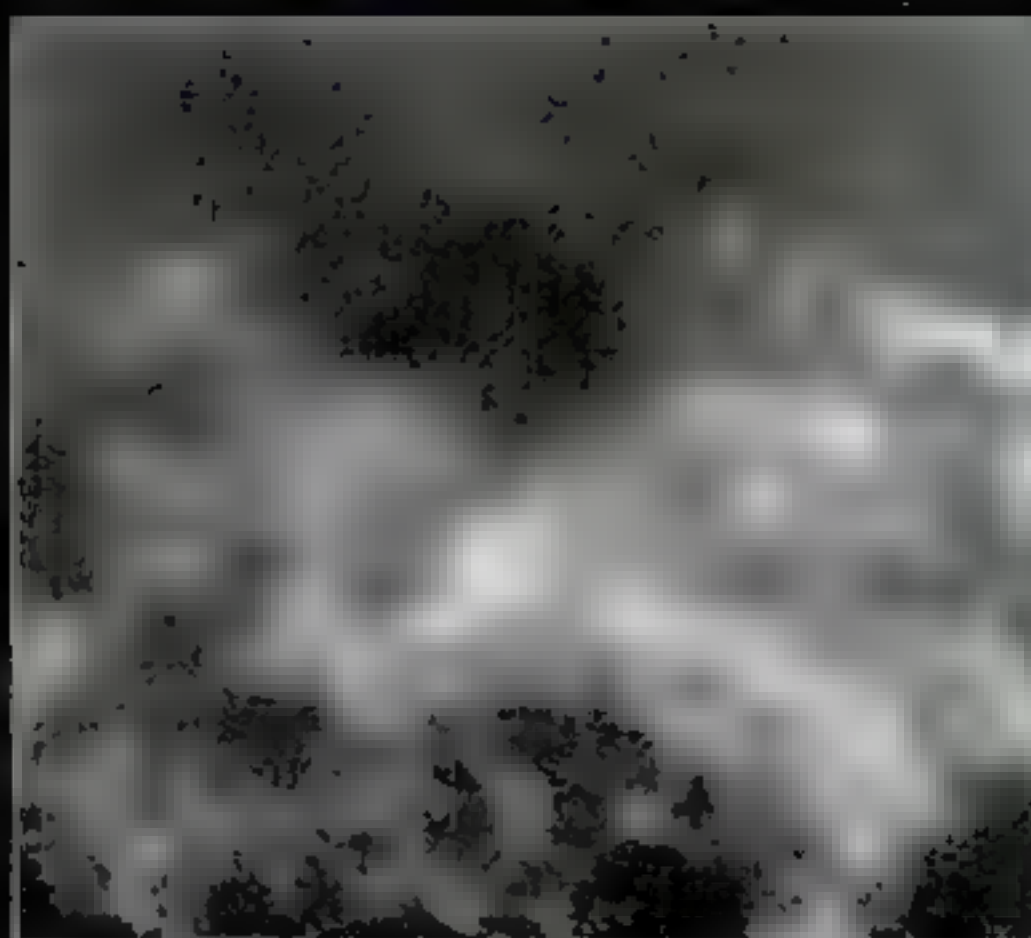
12 BOMB LANDS ALONGSIDE THE CARRIER, IS A NEAR MISS



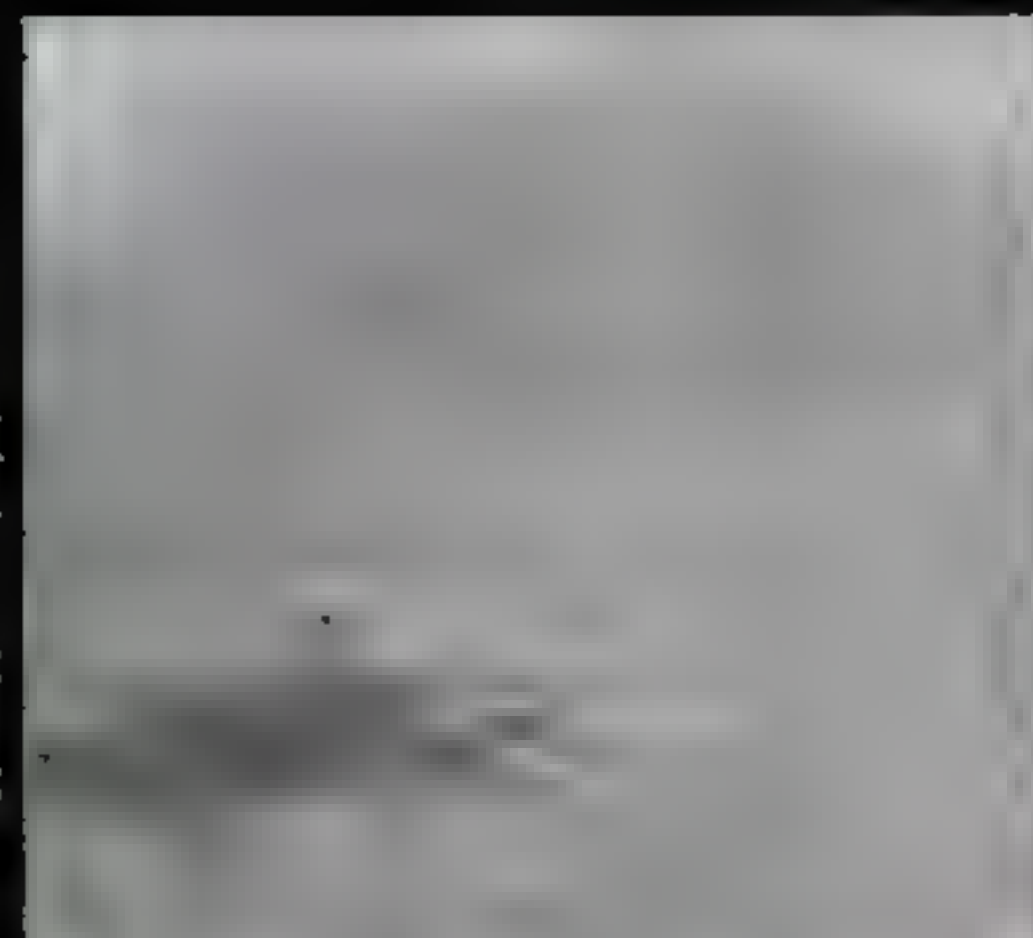
13 WATER HITS DECK, PROBABLY DRENCHES CAMERAMAN



14 NEXT BOMB HITS FLIGHT DECK A SHATTERING BLOW



15 SMOKE AND FLAME BELCH UP BEFORE PHOTOGRAPHER



16 BEFORE THE SMOKE CLEARS, JAGGED HOLE IS VISIBLE



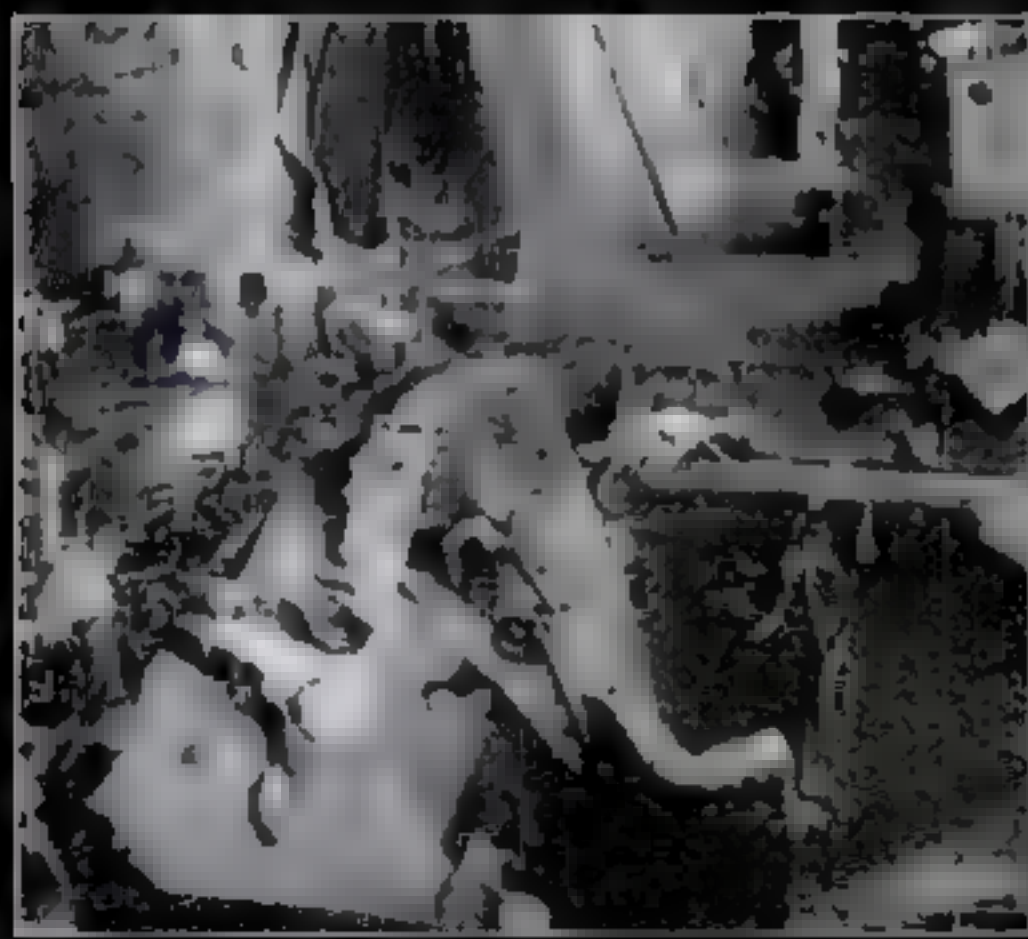
17 BURNING WRECKAGE IS STREWN ALL OVER THE DECK



18 FIRE-CONTROL CREW RETURNS TO FIGHT FIRST FIRE



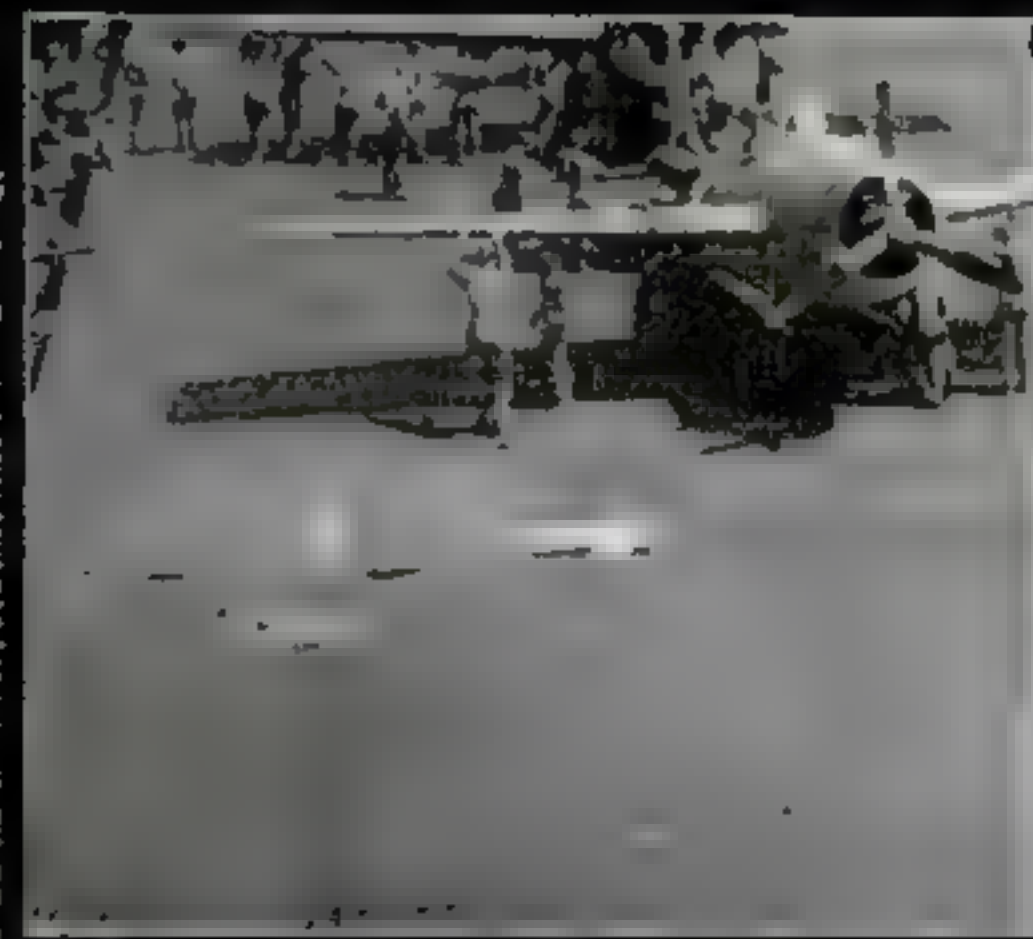
19 HOSES ARE USED DESPITE POSSIBILITY OF ATTACK



20 THE BOMB RENT HUGE HOLE IN THE HANGAR DECK



21 FIRST BOMB HAD SMASHED PLATES AT GUN GALLERY



22 DAMAGE WAS REPAIRED IMMEDIATELY, PLANES FLEW



Two Jap torpedo planes unsuccessfully press home their attack upon an American battleship. Curving wake at right shows where another ship turned to avoid them.

BATTLE OF SANTA CRUZ

U. S. and Jap forces meet at sea on Oct. 25-26

Since American forces moved into Guadalcanal on Aug. 7, there have been six sea battles in the southern Solomons. The first, when four cruisers were sunk at night by the guns and torpedoes of a powerful Japanese flying squadron, was an American disaster. The next two were in our favor. The fourth—fought off the islands of Santa Cruz—was a draw, and the fifth, in which the cruiser *San Francisco* attacked a Japanese battleship and carried her admiral to his death (see p. 44), was a clear-cut and overwhelming victory for the U. S. Navy. The sixth battle, fought at the end of last week off Guadalcanal, cost the Japanese nine ships as they made an abortive attempt to land reinforcing troops.

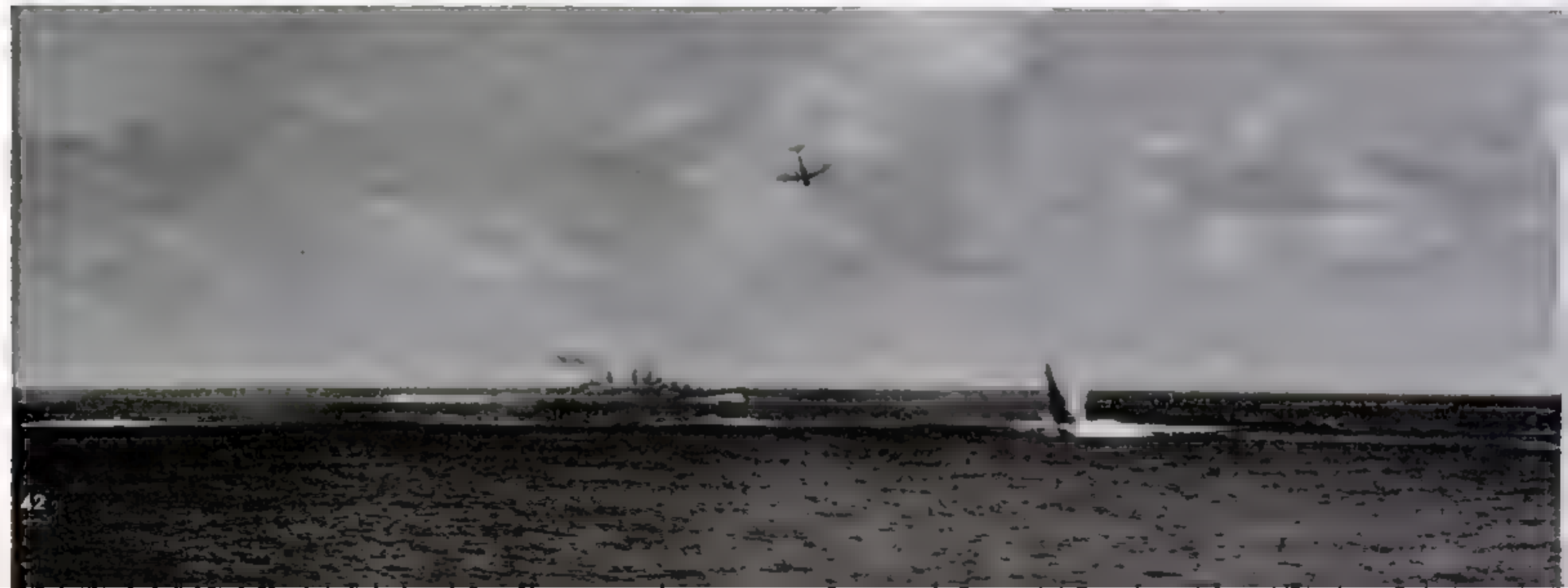
These pictures show the fierce action that took place near Santa Cruz, southeast of Guadalcanal, on Oct. 25 and 26. Their pattern of destruction is typical of all six battles when both forces struck at each other with everything they had. The battle of Santa Cruz was a struggle between carrier forces, conducted by planes at a long distance from their own fleets.

Contact between the two forces was made Oct. 25 and in a few hours both fleets were under heavy attack from dive bombers and torpedo planes. The U. S. carriers, battleships, cruisers and destroyers turned in wide, foaming circles to avoid the low-flying torpedo planes and pocked the sky with black anti-aircraft bursts as gunners found the range of bombers. In spite of these defensive actions the destroyer *Porter* and a carrier, as yet unidentified, were lost. But as the ships withdrew after the two-day battle, the American tally showed that our planes had sunk two destroyers, damaged two battleships, two carriers, four cruisers and one destroyer.



JAP BOMBERS HOVER OVER U. S. CARRIER (LEFT) AS MISSILE FALLS ASTERN OF SHIP. AT RIGHT,

TWO JAPANESE BOMBERS, STRUCK BY FIRE FROM CRUISER IN BACKGROUND, PLUMMET TOWARD THE SEA. THE FIRST ONE HAS HIT THE WATER, SENDING UP A COLUMN OF SPRAY





U. S. BATTLESHIP SHOWS BRIGHT SPOT OF ANTI-AIRCRAFT FIRE WHICH BLOSSOMS BLACK IN CLOUDY SKY. TURBULENT WAKE IN FOREGROUND IS MADE BY ZIGZAGGING CRUISER
A SPLIT SECOND LATER, ONE MORE SPLASH MARKS GRAVE OF OTHER BOMBER. PLANES WERE EVIDENTLY IN FORMATION, WERE PROBABLY HIT BY SAME ANTI-AIRCRAFT BURST





MILITARY MASS OFFERED FOR ADMIRAL CALLAGHAN

Last fortnight in San Francisco's St. Mary's Cathedral a Solemn Pontifical Mass of Requiem with military attendants was offered for the late Rear Admiral Daniel J. Callaghan. Admiral Callaghan, 52, was killed last month while leading a victorious Navy task force against a superior concentration of Japanese ships near Guadalcanal. The former Presidential Na-

val Aide was on the bridge of his flagship, the heavy cruiser *San Francisco*, when it was hit by a shell. Callaghan, a devout Catholic, was known as "Uncle Dan" by his men. When the *San Francisco* returned to its base after sinking at least two Jap warships, one of the officers said, "Our only regret is that Uncle Dan didn't live to see the way we pasted those Japs."

HELP FOR A LADY busy with Christmas

SERVING SOUP THESE BUSY HOLIDAYS WILL CUT
DOWN KITCHEN TIME AND SIMPLIFY MEAL PLANS



WELCOME HOME FOR CHRISTMAS

Mother saves precious holiday moments by planning meals that are quick to fix, and yet "taste like home". One favorite dish is Campbell's Chicken Noodle Soup ...now an even greater favorite, for it's made with 50% more chicken. More chicken in the stock, more pieces of chicken for each plateful. More delicious!

New and Improved Campbell's CHICKEN NOODLE SOUP



FOR THOSE WINTER VACATION APPETITES

—big bowls of vegetable soup, piping-hot! 15 good garden vegetables, bright and tender, have long made this the soup mothers call "almost a meal in itself". And they'll be calling on it even more, now that a new and improved recipe has stepped up its tempting flavor and sound nourishment.

New and Improved Campbell's VEGETABLE SOUP



WHEN COMPANY'S COMING FOR DINNER

It's so easy to dress up your meal with steaming cups of Campbell's Consommé — doubly delicious now that it's made to a new and improved recipe! Notice the deep-down richness of fine beef that tells you, right off, more beef than ever now goes into this good soup.

New and Improved Campbell's CONSOMMÉ



Famous M's

(DO YOU KNOW THEM?)



1. Legendary magician of King Arthur's court.

M _ _ _ _



2. American author who wrote "Moby Dick."

M _ _ _ _ _



3. King whose touch turned everything to gold.

M _ _ _ _



4. Manager of N. Y. Giants, 1903 to 1932.

M _ _ _ _



5. Explorer whose ship was the first to sail around the world.

M _ _ _ _ _



6. The blended American whiskey that's mellow and milder than many costlier brands.

M _ _ _ _ _ &

M _ _ _ _

...and Famous Words



THE GOOD HOST:

Knowing how much my guests enjoy good whiskey, I always serve them M & M. They like its rich flavor.



THE BAR-DRINKER

At a bar, I always ask for M & M by name. It has a mellow, distinctive taste.



THE SMART SHOPPER:

I buy M & M because it's milder and mellow than many whiskeys costing much



THE MAN WHO IMPRESSES.

I switched to M & M when I discovered it was the whiskey my friends used and preferred. I prefer it, too.



ANSWERS—

1. Merlin
2. Melville
3. Midas

4. McGraw
5. Magellan
6. Mattingly & Moore



Charred bodies stretched out on the floor of a Boston mortuary are checked over for identifications by authorities. Men in background with white aprons are regular morgue attendants.



Servicemen's hats piled up at Boston police station helped in the difficult identification of badly charred bodies. In addition to 51 servicemen, two WAVES lost their lives in the fire.

BOSTON FIRE

**Record death toll reaches 492 as
119 survivors struggle for life**

One week after the devastating Boston night club blaze the increasing number of deaths reached a total of 492. Day after day grim-mouthed fear-stricken friends and relatives of missing persons haunted Boston's mortuaries (*below right*) to identify charred corpses. Many of the 119 injured survivors in Boston hospitals were still in a critical condition. At least 35 of them developed pneumonia as a result of inhaling smoke and heat during the Saturday night inferno.

City and State officials investigating the tragedy heard testimony from experts which indicated that the night club's furnishings had not been properly

fireproofed, although just eight days before the holocaust a fire inspector had looked over the premises (formerly a garage) and turned in a favorable report. In addition to the city and State, Army and Navy authorities in Boston prepared to conduct their own inquiries. At least 51 servicemen and two WAVES lost their lives as a result of the worst civilian disaster in Boston's history. Their families were eligible for \$10,000 insurance policies taken out by the U. S.

As an ironic afterthought, 57 other Boston night spots were shut and entertainment banned in city's 1,161 eating and drinking places pending a check-up.

Injured and burned undergo treatment at the Boston City Hospital. Still hospitalized are 119 survivors, some of them in critical condition. Most deaths were caused by poisonous gases.



Anxious friends and relatives of persons missing after the night club fire wait at amphitheater at Southern Mortuary for a chance to recognize some of the unidentified corpses.





"OUR RECORDIO IS IN THE SERVICE, TOO!"

... the whole neighborhood is making records for the boys"



The Hubbard residence is a busy place these days. The Hubbards started making records on their Wilcox-Gay Recordio to send to their two sons in the army. Well, you can't keep a splendid idea like this from getting noised around!



It wasn't long before the whole neighborhood was in on it. The Hubbards are fortunate to own a Recordio. It isn't often that you can serve such a worthy cause without some sacrifice. This one doesn't cost the Hubbards a penny—and it's swell entertainment, besides.

Throughout America, Recordio owners are responding to Wilcox-Gay's "Share your Recordio" movement. Recorded messages have become one of the great morale-building ideas of this war. They carry a cheerful note straight from the hearts of those who are back home.



If you have a son in the service, make an effort to send him your voice on a record. There is a Wilcox-Gay Recordio in your neighborhood, and the owner is anxious to have you use it. When that Recordio owner shares his Recordio, he also shares the happiness that your boy gets from hearing your voice.



share your RECORDIO 'til victory

A PROGRAM DEDICATED TO THE MEN-IN-SERVICE

Sponsored by **THE WILCOX-GAY CORPORATION, Charlotte, Mich.**

Boston Fire (continued)



How it started is told to Police Commissioner Tremblay by Stanley F. Tomaszewski (left), 16-year-old bus boy. Tomaszewski lit a match while trying to replace an electric light bulb in the Coconut Grove and accidentally fired an artificial palm tree.



Acting manager of the Coconut Grove at the time of the disaster, James Wilansky, grimly sits waiting to testify before a special investigating board. His brother, Barnett Wilansky, is one of the owners of the night club where over 400 lost their lives.



Lieut. Frank J. Linney of Boston Fire Prevention Bureau reported at the city State inquest that he investigated the Coconut Grove eight days before the fire and had found conditions "good." Other evidence pointed to lack of proper fire-retarding

Facts below* are reported by impartial dental authority not concerned with promoting — or attacking — any dentifrice.

YOU CAN'T GRIND BEAUTY INTO TEETH YET 8 IN 10 TAKE CHANCES TRYING TO

See that cavity?



Brushing did it!

STARTLING FACTS REVEALED BY DENTAL AUTHORITY

*Recent studies at a leading Research Foundation Clinic disclosed these startling facts: OF ALL PATIENTS EXAMINED, REGULARLY BRUSHING TEETH WITH POPULAR DENTIFRICES, 58% ACTUALLY BRUSHED CAVITIES INTO SOFTER PARTS OF TEETH, EXPOSED BY RECEDING GUMS; THIS DAMAGE RESULTED FROM ABRASIVES IN THE DENTIFRICES; AND 8 IN 10 RUN THIS RISK CONSTANTLY.

—(Reported in authoritative dental journal)

NEW SAFE TEEL WAY — ONLY
One Extra Minute
a Week!

Makes teeth look their prettiest
BRIGHTENS SAFELY!

Maybe you're brushing beauty away . . . slowly grinding cavities into your teeth that may need filling! 8 in 10 run that risk! Because *most* adults have *receded gums*—thus exposing soft tooth structure which cannot withstand the abrasives in popular dentifrices.

TEEL protects teeth—because it contains *no abrasives*. And—note particularly—TEEL IS THE ONLY LEADING DENTIFRICE THAT CONTAINS NO ABRASIVES. TEEL daily—plus one extra minute a week brushing with TEEL and plain baking soda—makes teeth look their loveliest. Try this scientific TEEL way. There's beauty in every drop.

HERE'S ALL YOU DO

1. Brush your teeth every day — thoroughly — with TEEL. A few drops on dry or moistened brush. Feel it clean!

2. Once a week brush teeth with plain baking soda on brush moistened with TEEL. Brush at least an extra minute.

THIS NEW TEEL WAY CLEANS AND BRIGHTENS TEETH...
LEAVES MOUTH DELIGHTFULLY CLEAN AND REFRESHED



Teel PROTECTS TEETH *Beautifully!*
LIQUID DENTIFRICE

TEEL COMES IN A BOTTLE—NO BOTHER WITH TUBES



BUY WAR BONDS AND STAMPS

What a whale of a difference three months make!

That *was* Jim's favorite coat — when he hung it in the closet three months ago and went to work for Uncle Sam!

Now — like millions of other soldier sons and brothers — he's huskier and healthier than he's ever been before. Hard work did it. And regular hours. And good food.

No other army in the world is fed so well or so scientifically as ours. And no other serves so generous a measure of dairy products — milk, cheese, butter and *ice cream*.

The diet experts who work out Army menus include ice cream several times a week — or every day in hot weather — *not just because men like it, but because it's a valuable food.*

A single serving of average commercial

vanilla ice cream (one-sixth quart) gives a moderately active 154-pound man these approximate percentages of his daily requirements of the following specific nutrients: Protein, 5½%; Calcium, 17%; Iron, 2½%; Vitamin A, 7%; Vitamin B₁, 2%; Vitamin D, 3%; Vitamin G, 4%.

Even if vitamins don't mean much to you, you know that ice cream is good and good for you because it's made from milk — man's most basic and best balanced food.

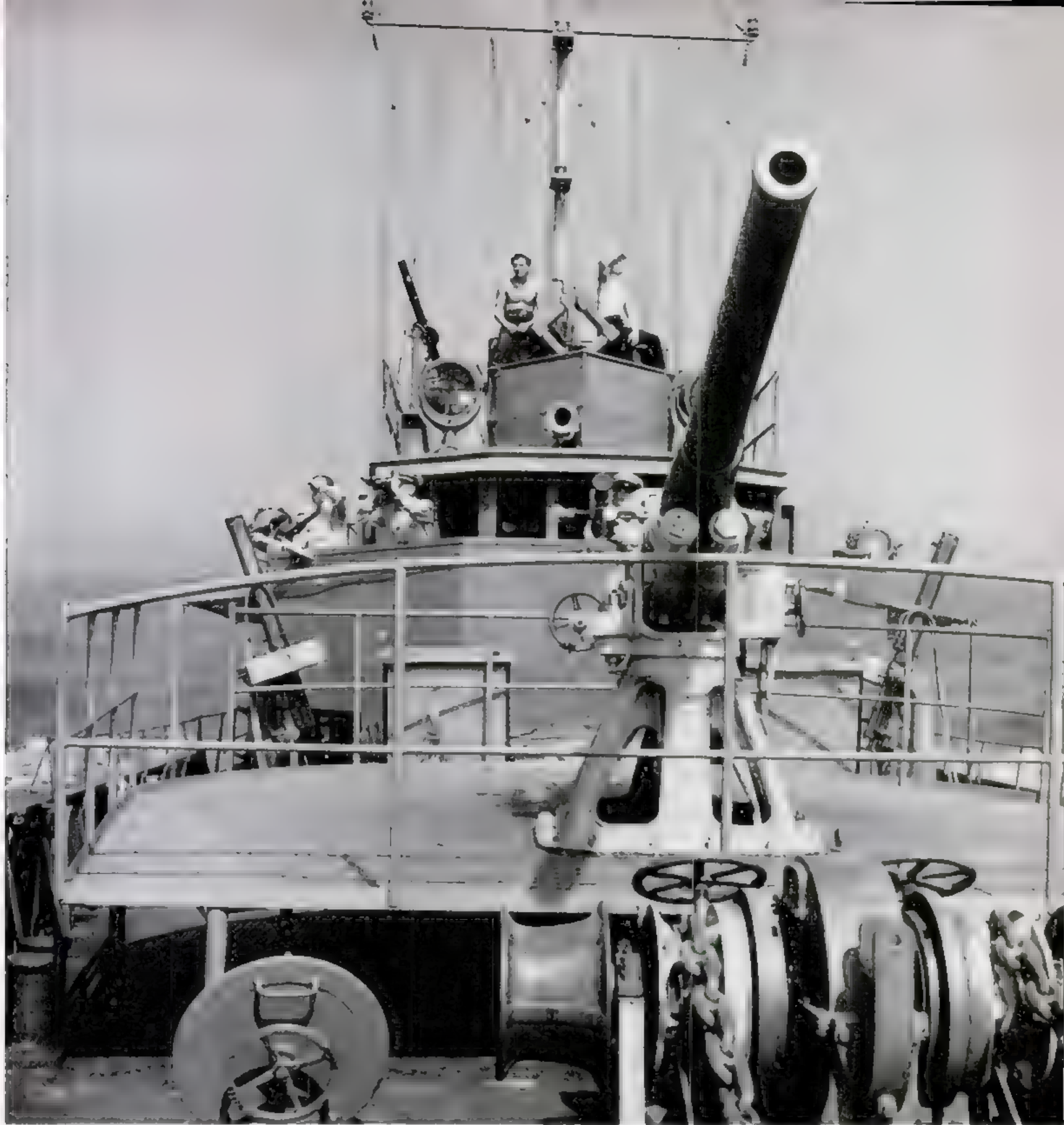
Ice cream made by National Dairy is kept pure and safe by National Dairy's *Sealtest* quality control. It is brought to you by modern methods of processing and packaging worked out by the National Dairy organization.

National Dairy laboratories are developing many new products from milk — benefiting farmers, manufacturers and customers — *pointing the way to a finer, stronger America.*

Dedicated to the wider use and better understanding of milk as a human food . . . as a base for the development of new products and materials . . . as a source of health and enduring progress on the farm and in the towns and cities of America.

NATIONAL DAIRY
PRODUCTS CORPORATION
AND AFFILIATED COMPANIES

Originators of the Sealtest System of Laboratory Protection



A 115-FT. CUTTER ON PATROL HAS GUNS AND LOOKOUTS ALWAYS READY. THIS SHIP IS ONE OF A CLASS WHICH BEARS MYTHOLOGICAL NAMES LIKE "ICARUS" AND "DIONE"

U.S. COAST GUARD

IT PROTECTS OUR SEA FRONTIERS AND FIGHTS FOR AMERICA IN FAR-OFF CORNERS OF WORLD

The Coast Guard's first duty is that implied by its name. In time of peace, under the control of the Treasury Department, its men and boats patrol our coasts, keeping sharp watch for smugglers of goods or humans and for shipwrecked seamen. In time of war, as an arm of the Navy, it convoys sea-borne commerce and searches for under-sea raiders of the enemy. Both of these jobs it accomplishes with the quiet efficiency for which the service is known.

This war has added new and graver duties to the men of the Coast Guard. They must now patrol every inch of the coast ashore to intercept saboteurs being landed from submarines. In 165-ft. patrol boats like the one above—a sister ship of which is commanded by the skipper on the cover—they spend arduous days combing U. S. coastwise sea lanes. In larger ocean-going ships, they convoy wallowing merchantmen carrying supplies to countries and our soldiers abroad.

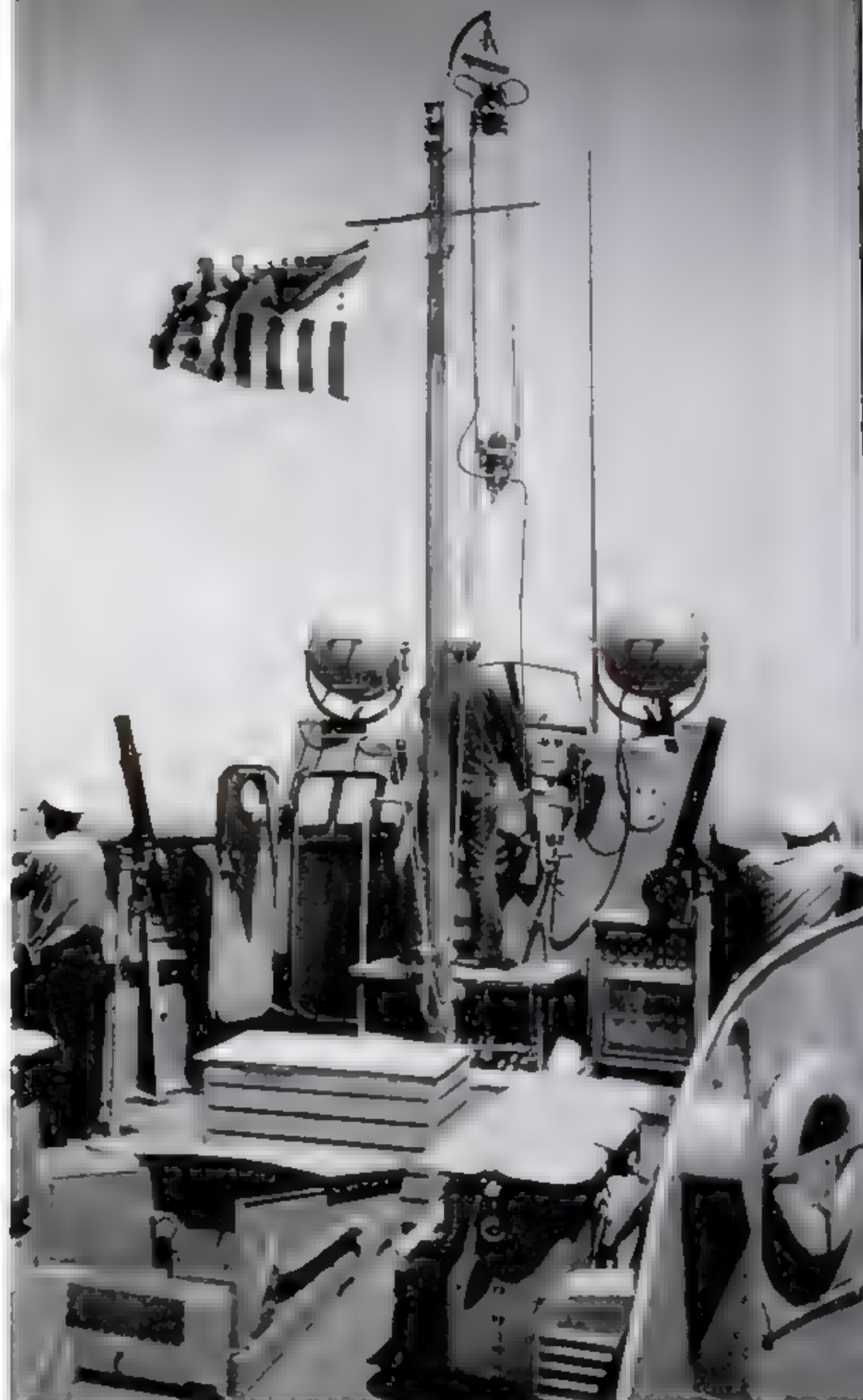
The Coast Guard is maligned by its own name. For today its men can be found on all U. S. fighting fronts. Manning large combat transports, they have taken troops to the strange beaches of this war. In charge of tank lighters at assault boats, they have delivered them through a hail of fire until the battle has been won. From Algiers and Casablanca to Guadalcanal, the "Coasties" have been among the first of the U. S. armed services to face the Axis guns.

BOSTON HARBOR PATROL

UNITED STATES COAST GUARD



Port security is an extremely important part of the Coast Guard's work. In all ports handling war cargoes, it maintains a strict watch on stored goods and ships. Its boats are used on the waterfront to fight fires and to inspect small private craft entering or leaving the harbor.



A small 83-ft. boat on patrol flies the special flag of the Coast Guard. These boats, of which enormous numbers are being built, are used on short convoy hauls or to escort ships on the last leg of their trip. Because of their high speed and maneuverability, they are ideal for fighting submarines.

THE COAST GUARD IS ALWAYS PREPARED FOR TROUBLE ASHORE, AFLOAT OR IN THE SKIES

Few services perform so many varied duties as the Coast Guard. It charts and marks navigable rivers, opens up the ice-bound Great Lakes for traffic in the spring, lends a hand in coastal and inland disaster relief. Bands of its men enforce the security of bustling wartime ports—protecting goods stored in warehouses awaiting shipment, fighting fires and checking on all boats coming in and out of port. Down the length of both coasts its men are on watch. They wait to trap enemy agents like those forestalled at Amagansett, Long Island, last June. They are ready to rescue oil-covered seamen from torpedoed ships. Their lean vessels at sea safeguard convoys, destroy U-boats and warn ships to stay clear of dangerous iceberg-infested areas. Coast Guard planes fly out from strategically located air stations to spot subs and smash in their hulls with depth bombs.

Much of this activity is never heard of by the public because the Coast Guard is overshadowed by its big brother, the Navy. But the service has records and traditions which belong to it alone. It has its own academy at New London, Conn., from which are graduated officers as fit as any who leave Annapolis. Ships it sails are especially built for grueling tasks it must undertake. Even its officers' uniforms are distinguished from the Navy's by a gold shield on the sleeves and a larger eagle on cap insignia. The Coast Guard can point proudly to its 152-year-old record in which it has always been found ready to rescue those in distress or destroy an aggressor. It is now doing that job better than ever before.



Academy at New London has traditions like those of Annapolis or West Point. Here a group of lower classmen bow low before their books, hoping to have luck in approaching examinations. These will cover such subjects as history, English, languages, engineering, navigation.



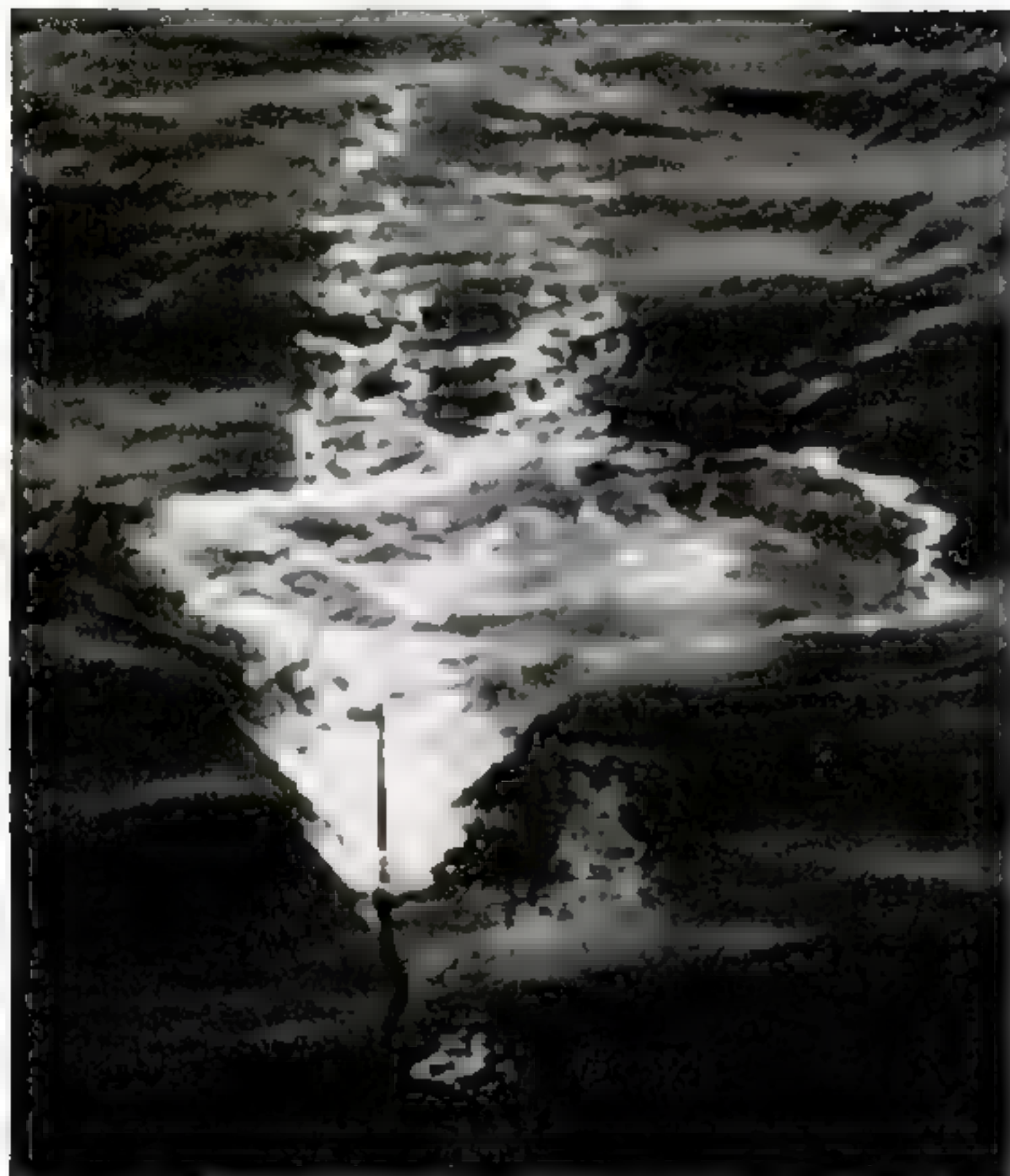
Beach patrol is carried out up and down both of this country's shore lines. These armed men live in an isolated Coast Guard station, take turns in pairs walking the soft, foot-tiring sand. There are telephones along the beach, on which they call the station to report on anything suspicious.



Air stations are operated by the Coast Guard, entirely separate from similar Navy establishments. Pilots go to Navy flying schools like Pensacola and Corpus Christi and, because so few are chosen, are usually crack men. From here they range out to sea, looking for sahs or disabled ships.



Capsized boat drill has served in good stead in many a stormy sea when lifeboats have been tossed over. These men can overturn their self-bailing boat, climb her on its bottom, right it and be rowing again in a few seconds. All station men are given practice in this maneuver.



Submerged submarine's periscope leaves a slim, feathery wake behind it as it cuts through the water. This is what one looks like from a low-flying patrol plane on a submarine hunt.



Depth bomb dropped from the plane sends up spray that looks like a white-petalled flower. The pilot can set his bomb to explode at desired depth before dropping it, to insure results.

COAST GUARD KEEPS UP AN ENDLESS AND EFFECTIVE WAR AGAINST SUBMARINES

The submarine is the great enemy of the U. S. Coast Guard. It will be hunted with an implacable, never-ending cunning, from the surface and the air, until the last one settles in the mud with its plates crushed like an egg shell. How many Axis submarines have been sunk so far is a military secret but it is certain that the Coast Guard has not been patrolling and protecting American and Allied convoys without results.

Its chief methods of detection are sound and sight. From the air, the pilot looks for oil slicks and the feathery wake that marks a periscope. On the surface, debeat instruments listen for the throb of submerged motors. When either is found, action is swift and sure. Heavy depth charges or bombs are dropped on the sub and the cutter's deck guns are manned to blast the U-boat if it should try to rise and fight it out.



A cutter's I guns throw barrel-like charges up and out from the deck. They can be regulated to travel the exact distance from ship to sub and explode at the most destructive depth.



Sound-detection apparatus is installed in its own compartment, is manned all the time ship is at sea. Sounds picked up by this will tell in what direction submarine is moving



IN THIS DRAMATIC MOMENT, AS THE RUNNING SEAS SWIRL UP GREEN AND WHITE, A COAST GUARD ARTIST HAS PICTURED THE REALIZATION OF ALL SUB HUNTERS' DREAMS



Shepherding a convoy through trade lanes of the Atlantic coast, this small boat is ready to combat enemy underwater action. Overhead, a Navy blimp also keeps constant watch.



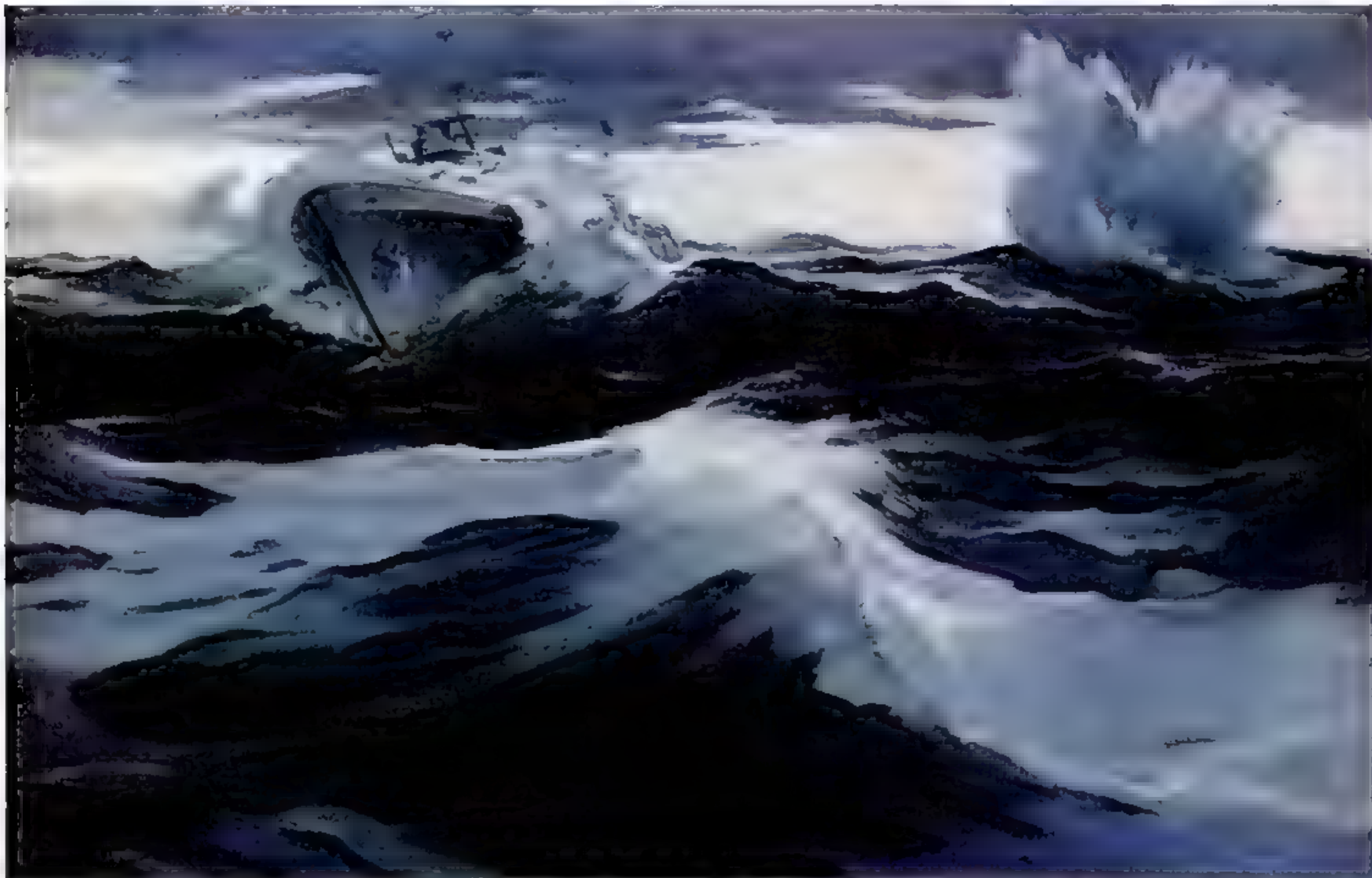
Moored in port, two 165-ft. cutters, lean and deadly weapons of the U. S. Coast Guard, rest between dangerous trips to seek submarines by sound and destroy them with depth charges.



GUN CREW services a 3-in. gun on a cutter's stern. Deck gun like this is used to shell subs on surface if, after depth charges to right are dropped, it comes up from below to seek battle.



Coming into port after several days of hard duty at sea, a patrol boat is caught for an instant in the rays of a searchlight, as watchers on the shore make sure it is a friendly vessel.



A geyser of sea water marks the spot where a depth charge has exploded near the hull of a U-boat below. Depth charges are the principal weapons of these tough, speedy boats, are

dropped from stern or thrown at their target by "I" and "Y" guns. The 165-ft. boat above was built especially for anti-submarine work, can easily outmaneuver subs below the water.



Dusk at sea finds a Coast Guard boat standing by to protect a merchantman that has fallen out of a convoy because of an engine breakdown. All through the long night, the patrol boat

will hover around the crippled ship, its sound apparatus set to pick up a marauding sub at the first suspicious sound. Then it will close in with a pattern of deadly depth charges.



HE'S GOT THE "DROP"

ON EVERYTHING UNDER THE AXIS SUN!

OUT of the blue of the stratosphere he comes—a lad from the U. S. A. in a sleek silver bullet.

Woe to any Jap or Nazi that tries to slip away! This new Navy fighter has "got the drop" on everything under the Axis sun—

The blazing, blasting sock of a mighty tank—on wings that fly it higher, faster than any Navy fighter now known!

That's the Corsair—and the 2,000 horses that are its fighting heart—a Pratt & Whitney supercharged engine—are a Nash-Kelvinator war responsibility.

If, as it is said, the victory will be won by the ships that outfly the Axis—then

the men of Nash and Kelvinator can take particular pride.

For their colors have long been flying there. Swarms of British and American bombers that have been blasting the Axis are equipped with Nash-Kelvinator propellers. Yes, made by the men who yesterday built the refrigerators and automobiles for America at peace.

In this blood-bond of men at machines and men at the battle fronts is the strength of America.

They shall not fail, any more than our gallant flyers shall falter, until the last shot is fired—the last bomb finds its target in blazing Tokio.

NASH-KELVINATOR CORPORATION

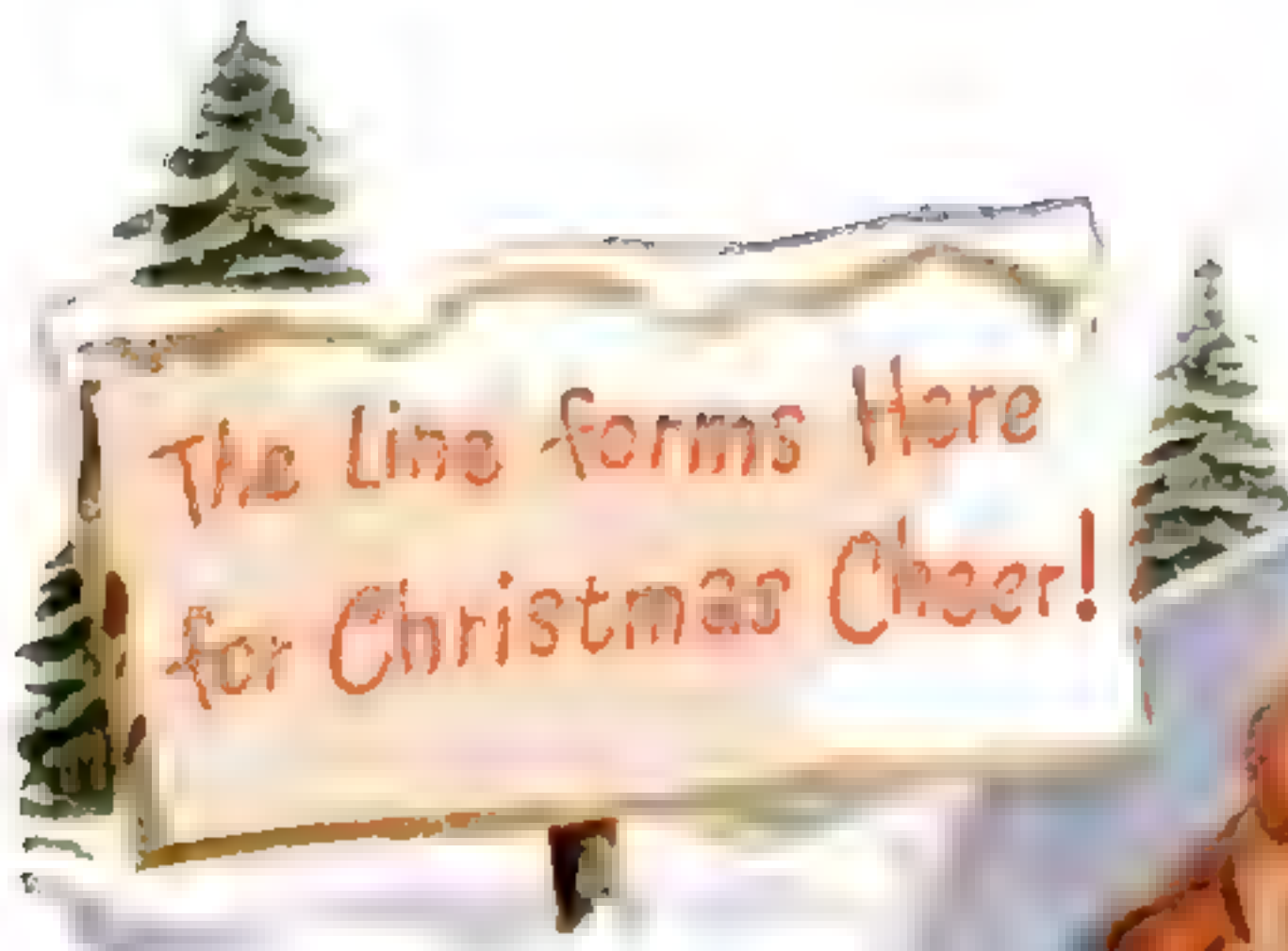
Let's keep the battle rolling—with War Bonds and all the scrap we can collect!

NASH



KELVINATOR

Peace-time Makers of Automobiles
and Refrigerators Now Devoted 100% to the Job of
Making America Supreme in the Air.



A Birds Eye Turkey (better order now!) His plumpness, tenderness, juiciness, and fine flavor are 'Christmas Cheer' itself! Pampered, special-dieted, this noble bird is selected to give 10% more white meat! Drawn of all waste—full tenderness and goodness are captured by Quick-Freezing! Guaranteed the finest you ever ate—or money back! (P. S. If you're not serving a turkey, try a Birds Eye Roasting Chicken—delicious!)



Cheer No. 1

Garden-fresh strawberries in December—

what a Christmas Cheer! Birds Eye Strawberries—sun-ripe, fresh-tasting, delicious! All cleaned, sliced, sweetened. Quick-Freezing has captured all their "just-picked" flavor. Box serves 4. Try them today—on a short cake, in a tart, on ice cream, or with cream!



Cheer No. 2

Birds Eye Green Peas!

(Money-saving Special Dec. 14-26.) Tenderly raised to peak goodness, the best, most garden-fresh of these peas are selected and instantly Quick-Frozen!

All that delicious freshness is captured!

Too, they're shelled, washed, ready to cook . . . box serves 4! NUTRITIOUS! They're a-poppin' with vitamins and good-for-you things!

Cheer No. 3

Golden delicious Squash! (Special Dec. 14-26.)

Another tempting Birds Eye treat! This garden-fresh Squash is perfectly sun-ripened, washed, peeled, puréed—Quick-Frozen! It's work-free! Just re-heat and serve! Grand as a vegetable, or in a pie! Its flavor will get you!



Others! Other delicious treats to light up your Holiday Season! Baby Lima Beans—tender, fat young rasca's. (Or larger Ferd Hooks.) Quick-Frozen at peak freshness . . . served, ready to cook! Try 'em!

GOLDEN SWEET Corn-on-Cob—a most unusual dish! And dewy-fresh French Beans—sliced lengthwise! Tender Broccoli—with even its garden-green color retained. Dessert? Cherry Pie! Made with tree-ripened red sour cherries, all pitted!



THE PRIVATE CITIZEN ALSO SERVES



George Weltner, private citizen of Woodmere, Long Island, casts off as he leaves for offshore patrol under Coast Guard supervision. He belongs to Temporary Reserve.



He and crew keep lookout for drifting rafts and U-boats. The boat is owned by him and commissioned by the Coast Guard while in use. This is about one day a week.



He inspects boat at sea, to make sure it is not refueling or provisioning submarines. Hundreds of private boats are now engaged in work like this for the Coast Guard.



COMES CHRISTMAS AGAIN...
and everybody's bustling busily about...

But lazily unaware of the seasons,
Briggs' choice, golden tobaccos
doze on in their oaken casks...
gathering in rare mellowness...
casting off all harshness.

Briggs is cask-mellowed for years
(longer than many luxury-priced
pipe blends). That does it!
That's Briggs' flavor secret!
Try a pack... only 15¢.



CASK-MELLOWED EXTRA LONG FOR EXTRA FLAVOR

PRODUCT OF F. LORELLARD COMPANY



Why there are no
MENNEN GIFT BOXES
this Christmas

Last Christmas, the public spent more dollars for Mennen Gift Boxes than for any other brand. This year, the popularity of Mennen Shave Products can be measured by the huge quantities that are being used by U. S. forces all over the world. So great has been this demand that it has been impossible to produce Mennen Gift Boxes this

Christmas. Since our fighting men are supplied with the best of everything, this is a tribute to Mennen quality. • If our products are helping to make life a little easier for the boys in uniform, we believe the men at home will agree that the absence of Mennen Gift Boxes this year has been amply justified.



AS PAULA, A YOUNG MUSIC-HALL DANCER, GREER GARSON IN KILTS DOES A HIGHLAND FLING FOR AUDIENCE OF ENGLISH SOLDIERS CELEBRATING SIGNING OF 1918 ARMISTICE

GREER GARSON SHOWS HER PRETTY LEGS AND DANCES

Three years ago Greer Garson was introduced to American film audiences as the bride of an English schoolteacher (*Good-bye, Mr. Chips*). Since that time she has become Hollywood's glorified "wife." As the capable helpmate in *Mrs. Miniver* she not only symbolized courageous womanhood but had men all over

the country saying, "That's the sort of girl I want to marry." Tired of being the all-English matron, Greer Garson kicks out high, wide and handsomely in *Random Harvest*, shows her legs and dances a Highland fling. To her, the nicest compliment was overhearing a stagehand say, "Who's the dame with the gams?"

Holiday Greetings



FROM PHILIP MORRIS

And along with Johnny's best wishes to you and yours... a practical Christmas suggestion: on your gift list, put lots of PHILIP MORRIS Cigarettes in gay Holiday packages... fine to give, fine to get, America's FINEST Cigarette. The best—to those you like the best! CALL FOR PHILIP MORRIS!

(continued)



RONALD COLMAN, AS A SHELL-SHOCKED OFFICER, IS PICKED UP BY GREER GARSON WHO PLAYS PAULA, A DANCER. IN HER DRESSING ROOM SHE SAYS, "I WILL CALL YOU SMITHY"

MOVIE OF THE WEEK:

Random Harvest Greer Garson in James Hilton story

In recent years two of English Author James Hilton's best-selling novels have been made into movies which placed high on the list of "ten best." In *Lost Horizon*, English Actor Ronald Colman portrayed an adventurer who discovered a Shangri-la in Tibet. In *Goodbye, Mr. Chips*, English Actress Greer Garson played the charming Mrs. Chips. Now in *Random Harvest* these

two "Hilton stars" come together in an all-Hilton, all-English movie which may well top its predecessors.

Random Harvest has a World War I background but like *Mrs. Miniver* shows no battle scenes, deals rather with the effects of war. Telling the warm and simple story of a shell-shocked officer and a showgirl who loves him, it is a stirring story of human relationships.

WALKING DAZEDLY, HIS MEMORY OF THE WAR GONE, SMITHY HAS WANDERED OUT OF MELBRIDGE ASYLUM DURING EXCITEMENT OF THE CELEBRATION OF THE 13TH ARMISTICE





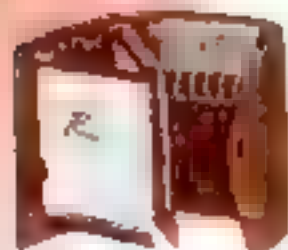
DETACHABLE
CARD CASE



PRINCE GARDNER

REGISTRAR

for a prince of a fellow



Matching KEY KITS

Push-Of-The-Thumb action for easy key removal. Window for drivers license, membership card, etc. Shown: \$2. Others as low as \$1.

Give him a handsome and useful gift... PRINCE GARDNER REGISTRAR! Nine Swing-O-Windows neatly carry his selective service, membership and identification cards, snapshots, letters, passes—shown at a finger-slip! Windowed card case unsnaps, leaving a wafer-thin billfold for evenings. Shown: Saddle Leather in Cordovan, \$5. Also Natural, Military Brown, Black. Others little as \$3.50.



Princess Gardner

REGISTRAR

for a princess of a girl



Money isn't everything she carries in her PRINCESS GARDNER REGISTRAR! Four Swing-O-Windows hold her favorite snapshots, service and identification cards, passes, etc. Bellowed pocket for coins and keys. Shown: Genuine Saffian in Gypsy Red, \$3.50. Also Leaf Brown, Glade Green, Hurricane Blue, Mulberry, Ebony. Others as little as \$2.50.



The CASHMATE

Bellowed pocket holds cash and keys... window for cards, snapshots... roomy bill compartment. Same lively colors as The Registrar. Shown, \$2.

The DOODLE-BUG

Carry-all for her identification, bills, cash and keys! Gusseted coin pocket. Sized to fit palm, pocket or purse. Leather to match The Registrar. Shown, \$1.

KEY KITS for Women

Push-Of-The-Thumb action spares fingernails! Windows for license, ownership card. Leathers to match her billfold. Shown, \$1.

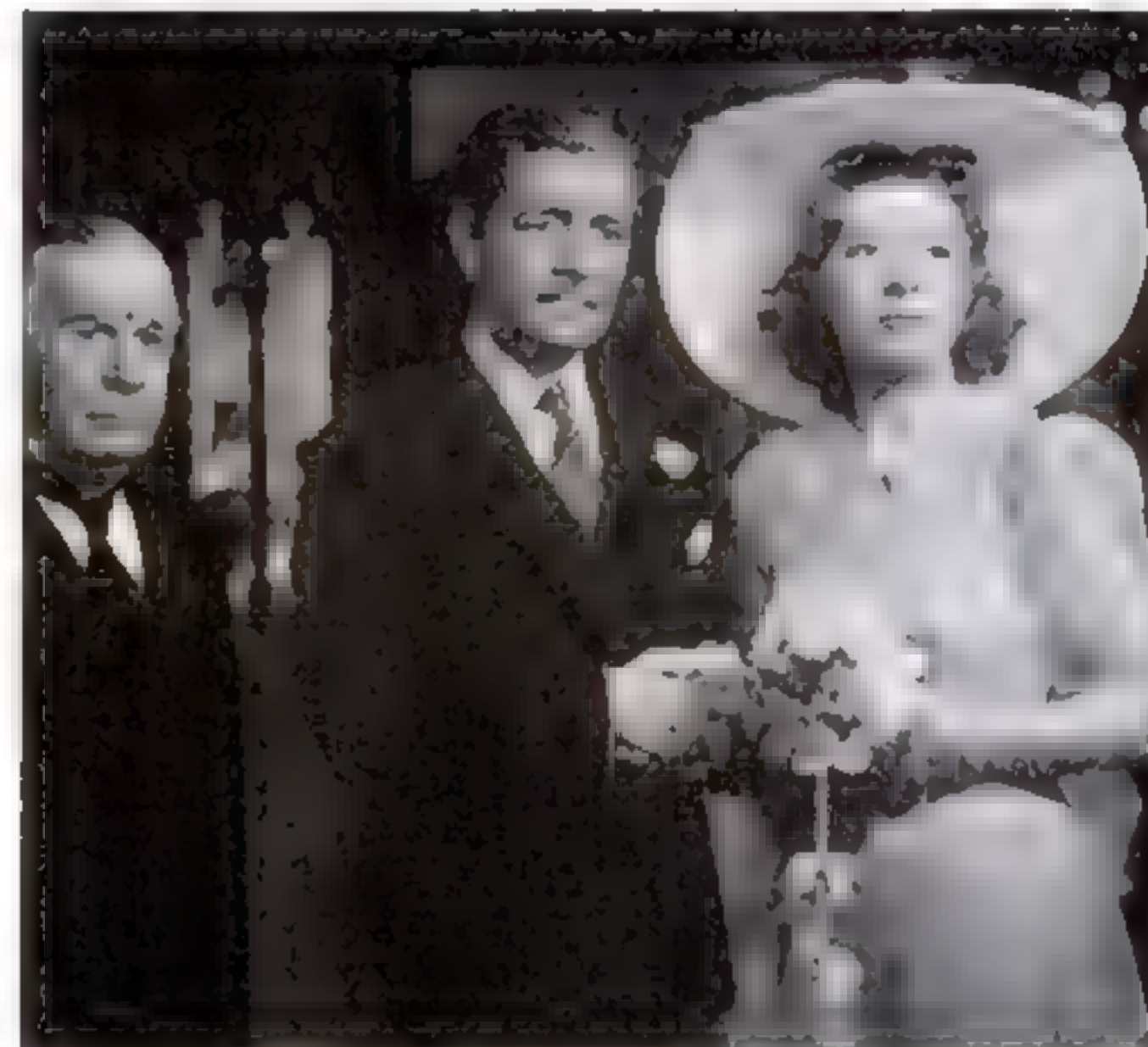
At Better Stores or Write PRINCE GARDNER, 2025 S. Vandeventer Ave., St. Louis, Mo.

CREATORS OF THE "INVISIBLE STITCH" BILLFOLD

"Random Harvest" (continued)



Smithy regains his health at a small English inn where Paula has taken him. At a picnic Smithy shows Paula a check from a newspaper for articles he has written.



A simple marriage ceremony marks the beginning of a new life for Smithy. Having sold more stories, he and Paula go to live in a small cottage in a countryside village.



Registering his son's birth, Smithy talks excitedly to the town clerk in typical new-father fashion. Smithy is completely recovered except for his memory of the past.

CONTINUED ON PAGE 65

Be of good cheer!



You can get a good Martini!

**TRY ALL SIX
POPULAR KINDS**

Dry Martini, 71 proof
Martin, 60 proof
Manhattan, 65 proof
Side Car, 60 proof
Old Fashioned,
80 proof
Daiquiri, 70 proof



If you think really good Martinis are *out* for the Duration, you're in for a joyful surprise! Heublein has saved the Martini situation for you by preparing a holiday supply of the smoothest, mellowest cocktails that ever warmed the cockles of your heart!

Already mixed with scarce and precious Molshire gin—the genuine pot-still gin—and the world's finest vermouth for Dry Martinis. Serve these cocktails to the discriminating—give bottles as gifts to the deserving—and keep out of the drought yourself!

Order a bottle—or a case—from your local liquor store—today!

FREE We have a recipe booklet of good and clever cocktail snacks that many people rave about. Address Box N—G. F. Heublein & Bro., Hartford, Conn.

HEUBLEIN'S *Club* **COCKTAILS**
ALWAYS READY • ALWAYS RIGHT

The Molshire Gin used is 90 proof and is produced by the G. F. Heublein & Bro., Hartford, Conn.



Me in uniform—even Spot was excited! The recruiting sergeant said yes, he thought I'd do. "But before I pass you on to the Third Officer, hadn't you better get a shine?" he suggested...



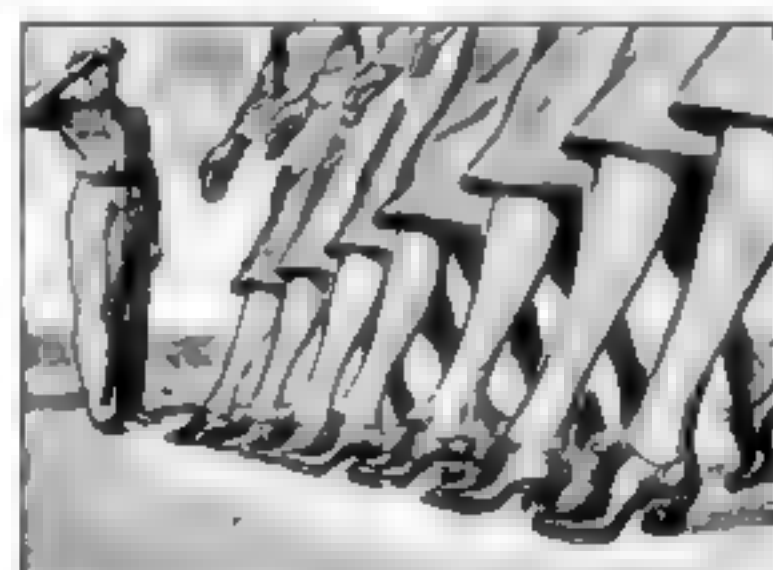
Out we trot, Spot and I—and almost pass a big display of Shinola. But Spot sees it, stops and barks. I get the point.



"Shinola's wonderful!" I cheer when I try it on my shoes. "So quick, so bright, and it buffs to a swell shine so easily!"



I'm in the Army now—officially sworn in! Spot and I said good-bye, but he promised he would come and see me.



Dress parade! Already I shine at Army life! Oh— isn't that officer handsome... and he's looking at me!

... and Shinola's costly waxes make shoes last longer in wartime!

Just 2 minutes daily with Shinola—liquid or paste—keeps shoes bright, sparkling, makes them last longer! For Shinola's costly oils and waxes help "feed" the leather and soften it—help protect shoes from scuffs and weather! Remember, people look at your feet—so step out with a Shinola shine... today and every day!

LIQUID OR PASTE
IN ALL COLORS

10¢

3 GRAND SHINES
FOR A PENNY!

KEEP 'EM SHINING WITH
SHINOLA



"Random Harvest" (continued)



A street accident in Liverpool, where Smithy has gone to see about getting a job, brings back his memory of his earlier days but blots out years he spent with Paula.



At the family breakfast table the next day, Smithy takes over his rightful place as Charles Rainer, now head of the house of a prominent and wealthy English family.



Paula, unrecognized, becomes Smithy's secretary, is so indispensable that he marries her again. Patiently Paula waits for him to recall the years they spent together.



"She's all yours
when you win your Navy
Wings of Gold!"

"CORSAIR" is the name of this heavy, long-range fighter. One of the fastest, most deadly planes in the world, it is powered by a 2000-horsepower radial engine and races through the air at better than 400 miles per hour!

THERE'S a brand-new Navy plane waiting for you when you complete your full-year's training in Naval Aviation—a plane that knows no equal anywhere in the world.

And when you drop into the cockpit and take over, you know how to handle it! The Navy's \$27,000 technical aviation education has given you all the answers. Navigation, radio, gunnery, engines, instrument flying—you're master of them all. As a true Naval Aviator you are both skilled and equipped for deeds of victory over the most treacherous enemies ever to confront an embattled America.

Can you Measure Up?

Naval Aviation is now expanding rapidly. If you can meet the ten basic requirements listed in the coupon, at right, you're eligible to apply for "the finest service of them all." But don't put it off! Visit

your nearest Navy Recruiting Station or Naval Aviation Cadet Selection Board, or fill in the coupon and mail today!

Naval Aviation offers all this FREE —if you can qualify

A \$27,000 full-year's technical aviation education 3 months' pre-flight training, plus actual flying, radio, navigation, gunnery, instrument flying.

You fly latest type Navy planes—know them inside and out. As a Naval Aviation Cadet you receive uniforms and are paid \$75 a month, get finest food and quarters. Upon completion of your course you are commissioned Ensign in the U. S. Naval Reserve or Second Lieutenant in the U. S. Marine Corps Reserve and draw from \$316 a month up!

Naval Aviation is your finest opportunity to serve your country today—to prepare for a successful aviation career tomorrow! Mail that coupon now!

U. S. Navy Recruiting Bureau, Division V-5
111 South Kensington Ave., White Plains, N. Y.

Please send official folder telling how I can receive training in Naval Aviation.

American citizen ☐
Unmarried—18 to 26 inclusive ☐
High school education ☐
Good reputation ☐
Physically fit ☐
Mentally alert and observing ☐
Good eyes—20/20 vision ☐
Good teeth ☐
Height: between 64" and 76" ☐
Weight: between 124 and 200 lbs. ☐



FREE—"Men and Planes of the Navy"—official folder, 22½" x 24" when open. Gives all details on this picked service. Full color illustrations of Navy's latest planes.

Name _____
Address _____
City _____ State _____

FLY WITH THE NAVY

**THE FINEST...
FITTEST...
FIGHTINGEST**

Christmas Traditions of Old Boston

CAROLS ON BEACON HILL . . . GIFTS OF OLD MR. BOSTON LIQUORS

AGAIN, as for many, many years, Boston's Beacon Hill is alight with the spirit of Christmas—candles gleaming behind frosted windows—venerable brick houses garlanded with holly and evergreen.

Here a merry group climbs the stairs of a house—a door swings open giving an enchanted glimpse—family portraits by John Copley—shining mahogany. And through a window opposite we see a festive group gathered about

a punch bowl—in the square beyond stands a band of carollers lifting their voices beneath the Christmas stars.

Candlelight glows across the snow from every doorway—speaking of warmth and friendliness within—the ancient hospitality of Christmas. A hospitality Old Mr. Boston is proud to share—offering rums and brandies of great excellence—for Yuletide punch bowl or gifts—gifts that reflect the tradition of the city whose name he bears.

OLD
Mr. BOSTON

*Importer and Distiller of
thirty-three fine whiskeys, gins, brandies, rums and liqueurs*



Bronze Label Straight Bourbon Whiskey, 46 Proof, Rocking Chair, 45 Proof, 100 Proof in some states, 50 Proof, Pineapple, 40 Proof, Creme de Menthe, 40 Proof, Punch, 40 Proof, Blackberry, 40 Proof, Apricot Nectar Liqueur, 70 Proof, Black & Rye, 70 Proof, Ben Buck, and Boston, Mass.





OLD
Mr. BOSTON
BRAND
Imported RUM
(dark)

OLD
Mr. BOSTON
APRICOT
NECTAR
A BEVERAGE LIQUEUR

Old
Mr. Boston
Blackberry
flavored
Brandy
true and
GENUINE BRANDY

OLD
Mr. BOSTON
ROCK N' RYE

CHRISTMAS EVE ON BEACON HILL, BOSTON



Things you can count on . . . In a threatening world of shifting tides and ceaseless uncertainties, what man doesn't wonder—doesn't pause to ask himself, "Is anything the same"? These tough times have changed things plenty, but still there are lots of life's good things—good food, good clothes, lots to do, and freedom to choose.

There's smoking, and there's Kaywoodie Briar. Thanks to prudence and foresight, we still make these fine pipes from the same sweet-smoking mellow Kaywoodie Briar we always used. Fortunately this doesn't interfere with war-needs. It might have been different. There might have been no Kaywoodie Briar (world's only source of it is in the Mediterranean).

But that didn't happen. Long before the war, our men abroad warned that sources of Kaywoodie Briar in Greece and Albania were in danger of being lost. We got the briar out in time. More than enough for regular Kaywoodie requirements for several years. We brought it to America before the boats were needed for war-loads.

This fine Kaywoodie Briar, selected from the oldest and best offered by a free Earth, has been mellowing in a safe place. It has been prepared according to our own formula. It will give you the satisfaction you expect, from a Kaywoodie Pipe. It has the Kaywoodie Flavor. When you feel you should have another Kaywoodie Pipe, you can get one. It will be as good as ever. You can always count on Kaywoodie Briar.

Kaywoodie shows is a Billiard Shop. Rome Grain Briar with Inner Bowl of Meerschaum, \$12.50 [1/2 actual size]

© 1942, Kaywoodie Company, New York and London. In New York, 630 Fifth Avenue





Japan's Pacific islands are perfect for defense. Marianas complete a vertical shield; Carolines are base of horizontal spear. Beyond are smaller atolls of Marshalls and the British-

owned Gilberts. Japs have presumably built many secret bases in this area. Unless U. S. reconnaissance planes or submarines have lately got in, no white man has seen military installations.

JAP PACIFIC BASES

U.S. and Britain gave Japan its priceless islands

Next objectives of the U. S. Navy, if it elects to fight on up from the south the hard way, are the Jap islands mapped above and shown in photographs and Norman Bel Geddes models on following pages. These pictures, poor as they are, are literally the only photographs available since Japs took possession legally in 1919. Some white men think they were shown the islands, but they did not see a single military installation. Two U. S. Navy officers who tried to do so on their own time disappeared "in an accident." Japan notified the U. S. of the fact but declined to return the bodies. Japan got 1,831 islands with U. S. and British permission from Germany, which bought most of them from Spain after the Spanish-American War.



U. S. passed up islands, won from Spain by conquest, at Treaty of Paris in December 1898. Here U. S. Secretary of State John Hay signs the ratification, with President McKinley just visible above his head. Germany then bought the islands from Spain for \$4,500,000 in 1899.



Japanese colonists pour into islands after Japan sneaks islands away from Germany in 1914 and gets secret promise of possession from Britain, France and Russia in 1917, month before U. S. enters war. Woodrow Wilson opposed Jap annexation, reduced Jap claims to a mandate.



The lagoon of Truk is supposed to be the biggest Pacific naval base outside Pearl Harbor but no white man has ever seen the military installations. Coral reefs are 32 nautical miles across,

from right to left. There are about 20 channels in the lagoon, four navigable ones, guarded by submarine buoys, nets and mines. Naval bases supposed to center in these channels at upper left.



Jap school on Truk for native Kanakas teaches only Jap language and history. In all Micronesia, some 50,000 natives are now outnumbered by more than 50,000 Jap immigrants since 1920.



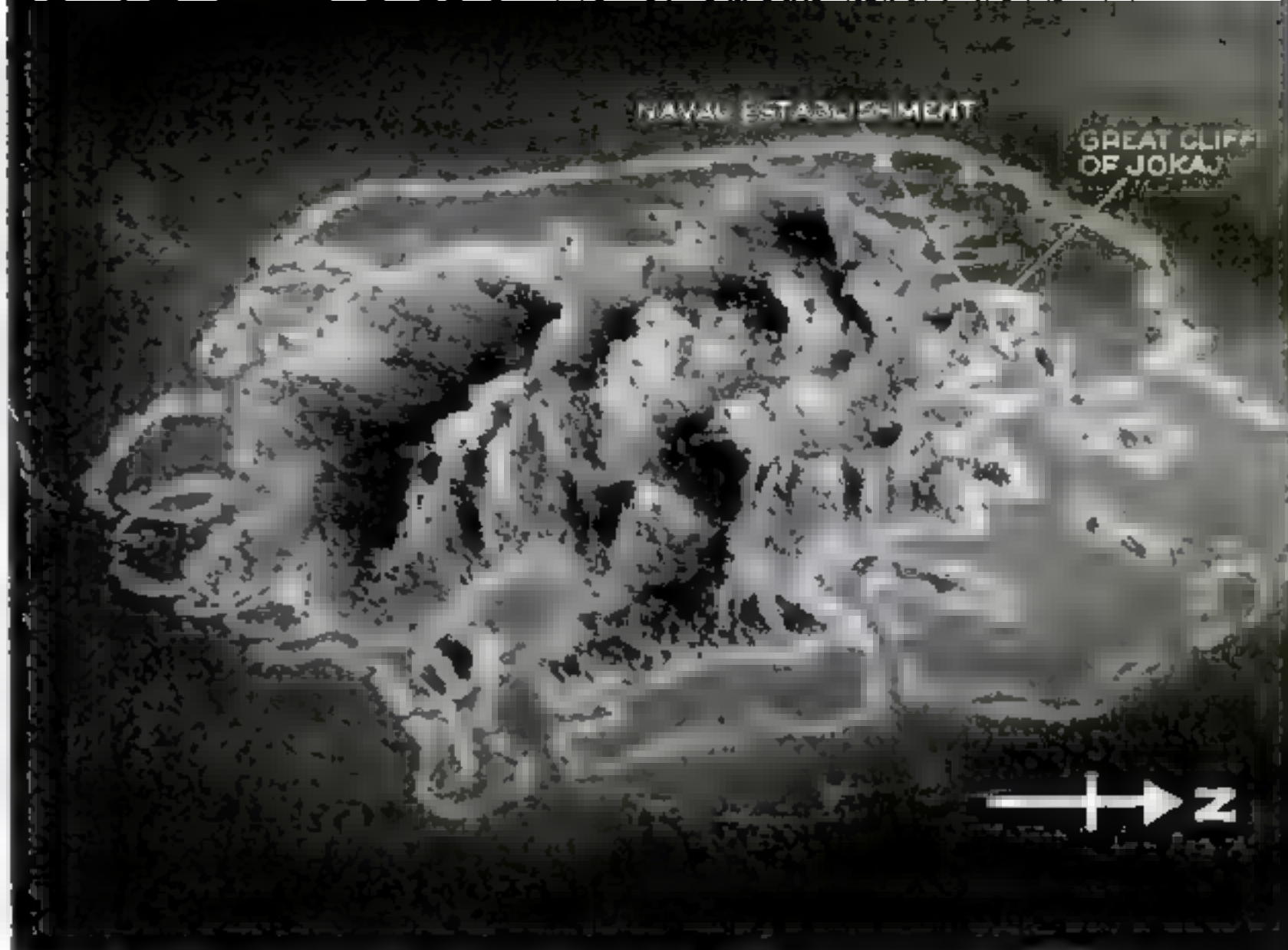
Truk islands, which are volcanic as well as coral formations, are often high, offer fine protection for ships in harbors. Anti-aircraft guns are mounted on peaks. God knows which this is.



Farthest left is three-mile-long Tolons or Dublon, on whose upper side are an airfield, town and radio station. Japs have renamed islands for days and seasons. There are 243 islets in all here.



Jap experimental station on Ponape has helped make Micronesia the only self-supporting mandate in world except for military costs. Exports are sugar, alcohol, phosphates, copra, dried fish.



Ponape is biggest island in Micronesia, 145 square miles. New Bedford whalers used to put in here. Now Japan has big commercial docks (right). Japs allow five native tribes to survive.

TRUK LAGOON AND PONAPE

They are probably the chief naval bases of the islands

Under the Class C mandate, which is the nearest thing to outright possession, the League of Nations forbade Japan to put up any defenses whatever on the Marianas, Carolines and Marshalls, which Japan had seized from Germany in 1914 and got secret permission in 1917 from the Allies to keep. However, properly fortified, they were obviously the key to the Pacific.

Japan calls the islands the Nanyo. The most strategic islands are Truk, Ponape, Palau and Kusaie. Any one of them may turn out to be the primary naval base, but the general expert belief is that Truk and Ponape are the two. They are mapped above in Norman Bel Geddes models. Drydocks, arsenals, cranes and submarine nets have been constructed on the model of the Truk lagoon. Japs thrive on the islands, which have a year-round temperature of 92°F. and 118 in. of rainfall.

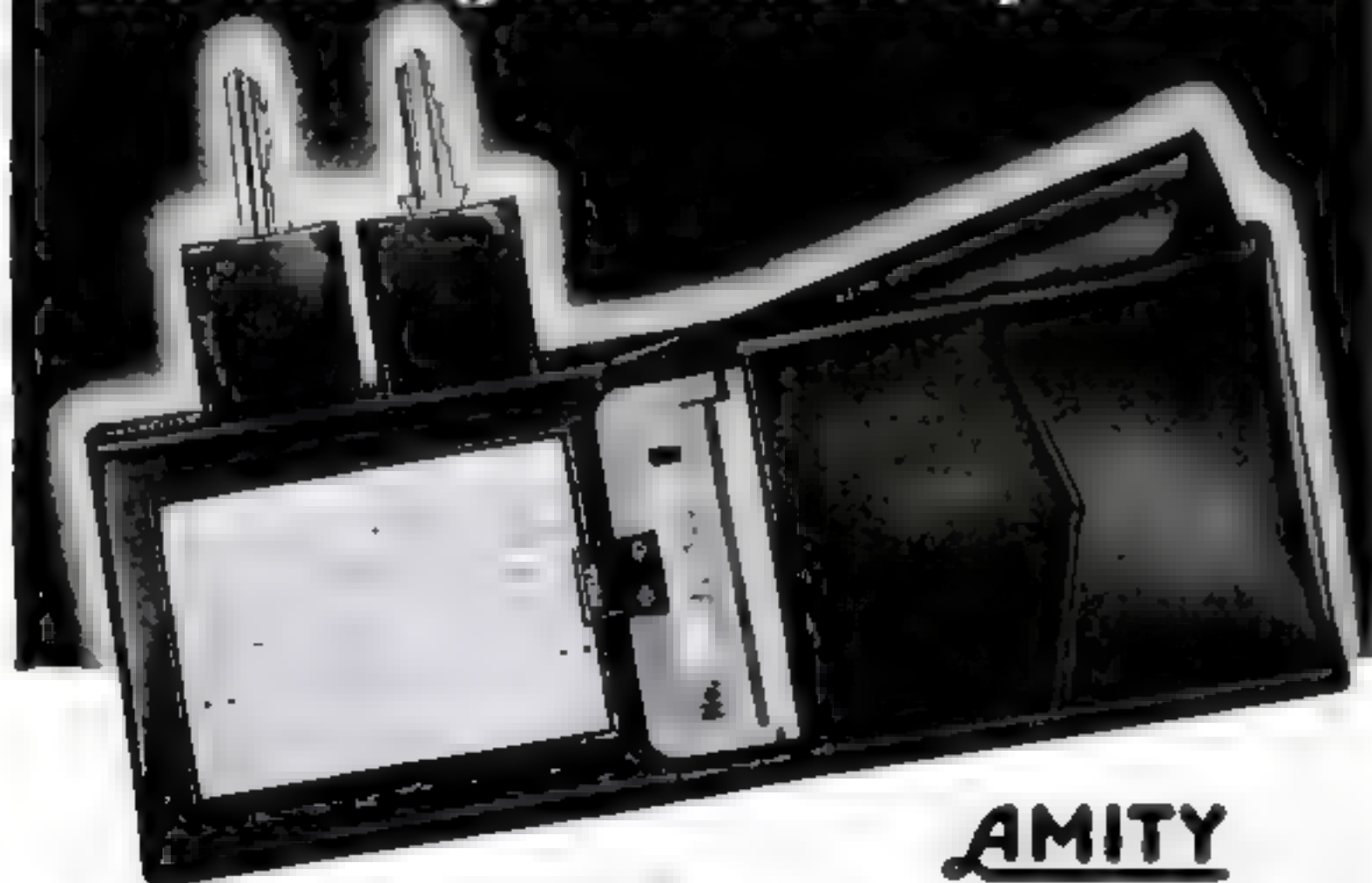


Ponape's great rock of Jokaj is a 900-ft. landmark for sailors. It is at the upper right on the model at top of the page. At foot of cliff is a Japanese house set among native thatch houses.

THIS CHRISTMAS...
HEED A MAN'S NEED
FOR PRACTICAL
Gifts!



Give an **AMITY** billfold to
the man you want to please!



AMITY
SERVICE BILLFOLDS
for
Soldiers and Sailors



Special features include transparent wings for identification cards and photos, coin pocket, stamp pocket, perpetual calendar, and utility pockets for individual needs. Richly embossed with official service insignia—in tan cowhide for Army men and dress-black cowhide for Navy—complete with gift box \$2.50.

AMITY
“DIRECTOR”
THE BILLFOLD THAT'S
EIGHT WAYS BETTER

Here's a billfold designed to keep a man's personal effects protected and well organized for instant use. He'll appreciate the eight Amity convenience features that include two spare key pockets, secret currency pocket, sliding card pocket and other practical advantages. Choice of rich, trim-tailored leathers...\$3.50 up.

AMITY LEATHER PRODUCTS CO.
WEST BEND, WISCONSIN

Don't forget your
UNCLE SAM  BUY U.S. WAR
SAVINGS STAMPS
AND BONDS—NOW!

AMITY
LEATHER PRODUCTS

Japanese Islands (continued)



Sugar mill and donkey engine are part of Japs' thriving sugar industry, centered at Saipan, most developed and populous island. This is on neighboring island of Tinian.

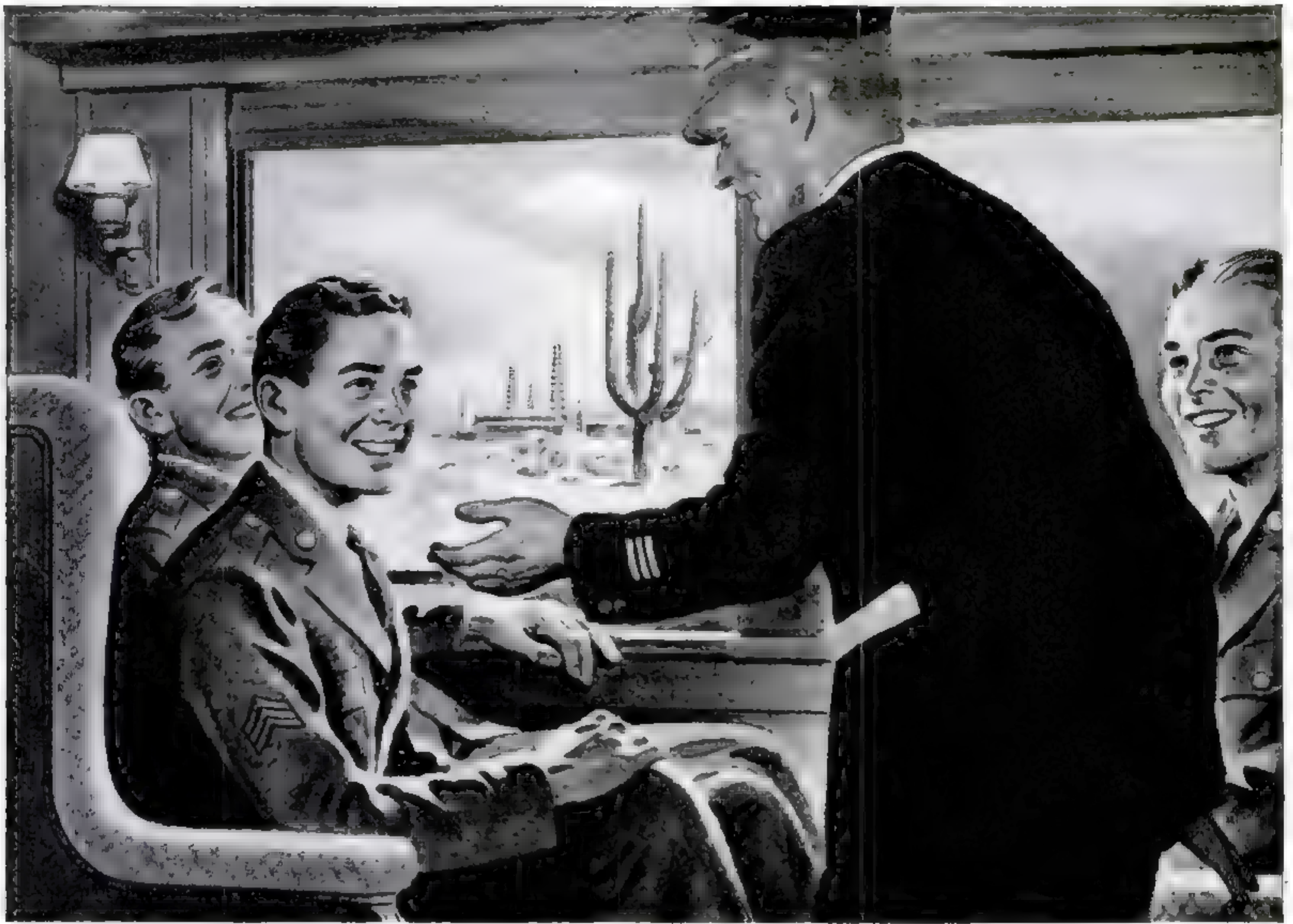


Phosphates on Angaur in the Palau group are mined from ancient bird droppings (guano). Angaur has 2,400,000 tons of guano, which is dwarfed by Nauru in Gilberts.



Angaur phosphates supply 20% of Japan's normal phosphate needs, not much but a help. Japs do most of the work, natives very little. These are Japs on the handcar.

CONTINUED ON PAGE 76



“Move everyone in Texas 1500 miles!”

“THAT’S what orders to Rail-Pullman have amounted to in 1942,” says the conductor to the sergeant. “And everyone in Arizona, too!”

“You see, soldiers, sailors and marines will have made more than *seven million* trips in sleeping cars before the year is out. Those trips average 1500 miles. Well, there are about six and a half million people in Texas; half a million more in Arizona.

“So what happens, in effect, is that Pullman provides the comfort and privacy of sleeping car accommodations day and night for the *entire population* of those two states. Then the railroads haul those seven million folks halfway across the continent. That’s a whale of a big order!”

★ ★ ★

You bet it’s a big order. But the railroads have car-

ried it out as they have carried out *all* their wartime orders—promptly and efficiently.

There has been no quicker, more complete conversion to war than that made in rail transportation—made largely by diverting existing equipment to military duty.

We are proud of our association with men who work such miracles. Glad, too, that we have been able to carry our share of the *big* job and still keep Pullman service available for *civilians* who must travel.

And that is *important*, for war has accelerated civilian passenger travel almost as rapidly as it has freight traffic. In addition to millions of troops, the railroads are carrying far more civilians than they carried before Pearl Harbor—many of them engaged in

important government affairs. And Pullman is providing comfortable sleeping accommodations for record-breaking numbers of these civilians.

Wartime transportation loads are tremendous loads. But the railroads will *keep* ‘em rolling—we’ll *sleep* ‘em rolling—and you can *count* on that!

*Buy War Bonds and
stamps regularly!*

AN AVERAGE OF MORE THAN
25,000 TROOPS A NIGHT NOW—

GO PULLMAN



'5 o'clock Shadow'
NEVER GOT THIS!

LITTLE things can spoil big moments. That's why it's so important to avoid the unsightly afternoon beard-growth known as "5 o'clock Shadow." And, say, your one best bet to keep face-neat *all* day is to use genuine Gem Blades. Made by the makers of your Gem Razor, they *must* fit precisely!

You'll enjoy the ease and comfort of Gem's super-keen edge. Never a dud blade in a package either, so Gems in the long run actually cost *less*!

CONSERVE! Take care of your Gem Razor. It is made of critical material. Don't drop it—don't abuse it—dry it carefully after each shave.
Gem Division, American Safety Razor Corp., Brooklyn, N. Y.



Japanese Islands (continued)



The harbor of Kusaie, often ignored but a very possible base, is entered by a Jap ship. It has big commercial piers, stands at the easternmost end of the Caroline Islands.



Palau Islands at the western end of the Carolines include this bay on Koror and the large harbor of Malakal which is, typically, just beyond, out of sight behind islands.



Harbor work at Sapan was legitimate under Jap mandate, but the costs reported to League of Nations were out of line. Defense works were forbidden under mandate.

CONTINUED ON PAGE 77



HERE'S THE LOTION YOU USE BEFOREHAND . . . **TOUSHAY**

. . . to protect hands even in hot, soapy water



This new lotion is used in an utterly different way! . . . It's the *beforehand* lotion! . . . Other lotions are applied *after* you've had your hands in water. But you smooth on this rich, fragrant Toushay *before* you do dishes . . . *before* you wash out stockings and undies. And your hands will be guarded from the harsh, roughening effect of hot, soapy water.



See what a change this remarkable new lotion can bring to your skin—all over—wherever you stroke on its creamy richness. You'll be delighted at your own loveliness—the delicate perfume of your skin—the new velvet-softness of your arms and shoulders.



Such a thrifty luxury too! Toushay is popularly priced . . . and so rich that a few drops will spread delicious smoothness over both arms, or both knees, or your whole back! So give yourself this inexpensive delight—buy a bottle of Toushay at your druggist's this very day!

Trade-marked Product of Bristol-Myers

Ask for it by name!

GOLD SEAL

NEW YORK STATE

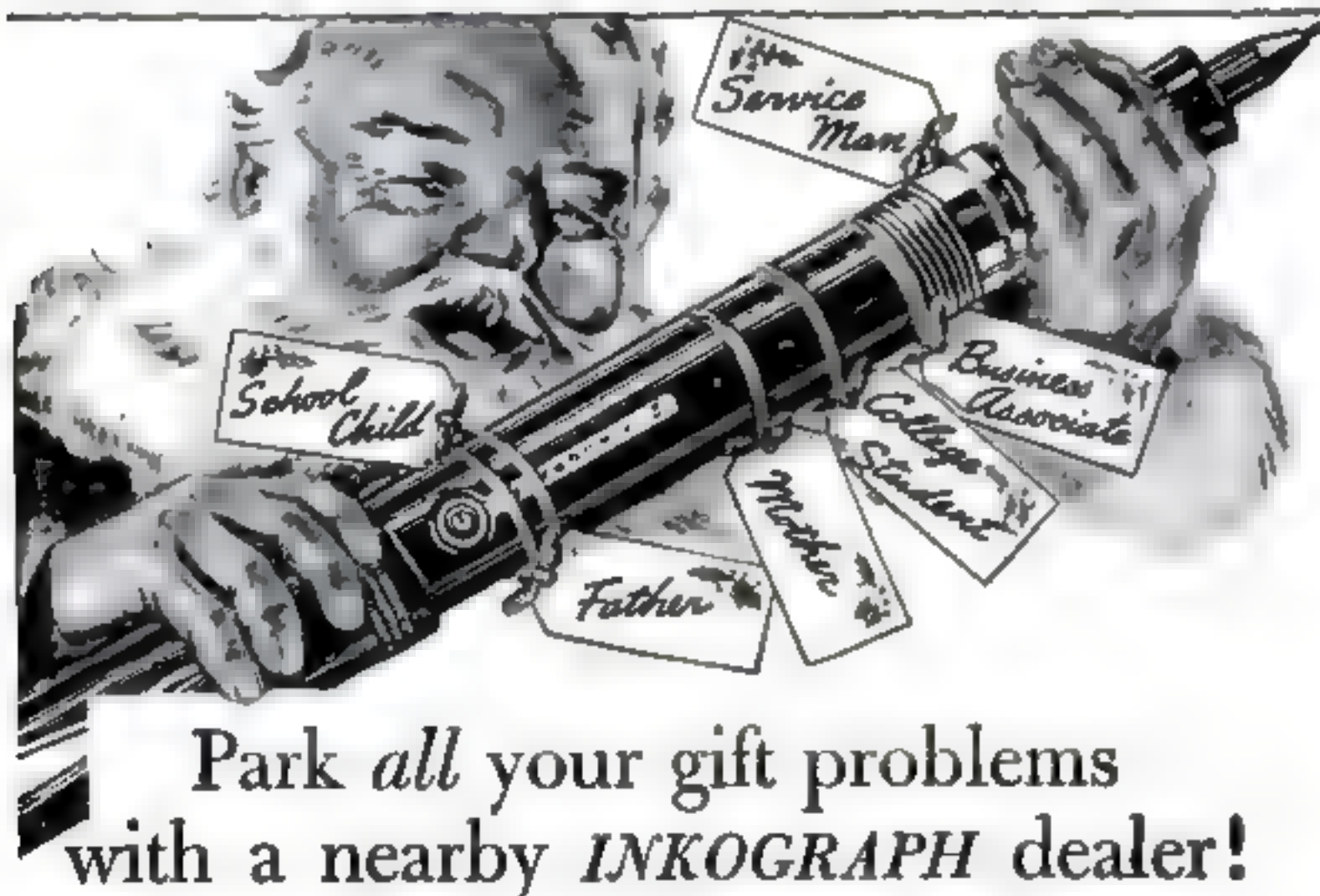
Champagne



The many holiday festivities call for fine champagne. So, be sure to ask for Gold Seal Champagne, the choice of connoisseurs for 77 years. In the "Champagne District of America," experts trained through generations in the immortal French methods of wine-making, put Gold Seal Champagne through more than 250 delicate processes to produce its sparkling brilliancy, rare bouquet and superb flavor. Try it once . . . and you'll serve it always.

Write for booklet "Wine Wisdom."

URBANA WINE CO., INC., URBANA, HAMMONDSPORT, N. Y.



Service Man
School Child
Business Associate
College Student
Mother
Father

Park all your gift problems with a nearby INKOGRAPH dealer!

SAVE TIME... WORRY... MONEY on your Christmas shopping. And this year particularly, you'll want to give everyone a *practical* present.

Nearby there's an Inkograph dealer where, as quickly as you can say "Merry Christmas", you can solve the whole gift problem without straining your purse.

Everyone—young and old—appreciates Inkograph . . . finds writing easy and pleasant with this *entirely different* writing implement. Its 14kt solid gold, non-spreading point glides over any paper with the smoothness of a pencil—takes the "cramp" out of writing. Even fountain pen owners welcome

Inkograph—because it does so many things no other pen can do.

Inexpensive Inkograph has the good looks and fine workmanship of a high-priced pen. Fully guaranteed to give years of unswerving service. Try it at your dealer's.

\$1 INKOGRAPH \$2

ONLY INKOGRAPH suits any hand or style of writing . . . writes smoothly on any quality paper . . . withstands roughest usage . . . makes clear carbon copies with original in ink . . . has a point that won't bend or spread . . . does lettering and ruling without smudge or blot.

Look for the name "Inkograph" on the barrel.
At leading dealers
INKOGRAPH CO., INC., NEW YORK CITY

Japanese Islands (continued)



On Yap, whose cession to Japan the U.S. violently protested in 1919, this is a bachelor house for natives, forbidden to women. Yap was great German cable crossroads.



Spanish mission and possibly a radio station (rear) look out on Yap reef. The Spanish kicked out Protestant missionaries in 1886; Japs let a few missionaries remain.



Lighters used to take Jap passengers to ships moored outside the reef at Saipan. That is no longer true, since Japs have dredged harbor, built large port installations.

ONLY REVELATION GIVES YOU THIS!



5 GREAT TOBACCOS CUT 5 DIFFERENT WAYS —FOR PERFECT SMOKING!

You see with your eyes—and you sure taste, in your pipe—the *difference* that makes REVELATION Pipe Mixture so much finer-smoking.

Cool-burning *Burley* . . . fruity, golden *Carolina* . . . spicy, nutty *Virginia* . . . *Perique*, cured in seasoned oak casks . . . *Latakia*, king of aromatic tobaccos.

ONLY 15c

Men who blend tobaccos to order can tell you the cost of a mixture to match REVELATION. Yet 15¢ puts a package of this superb mixture *in your pocket, today.*

Try REVELATION!

A few pipefuls will tell you more than all the words we could write:

About cool, even burning . . . rich yet gentle smoking . . . *no bite.*

About delicious flavor—(cutting 5 different ways makes each fine tobacco *add its own* full, rich tastiness).

About goodness *right down to the bottom of the bowl* . . . no soggy, sour pipe!

Never can "mixtures" of 1 or 2 tobaccos match the mildness and grand flavor of REVELATION

Most other popular "mixtures" are 1 or 2 tobaccos, cut 1 way. They can't touch REVELATION on flavor and smoothness!



Left) Ordinary mixture: 1-way cut mats down . . . keeps heat—causes soggy heel.



Right) REVELATION: 5 different cuts. Pack perfectly. Pipe "breathes"—burns cool!

A Product of PHILIP MORRIS

A Toast to Our Boys ... wherever they are

Let's drink a toast to the widening host—
Of Americans serving the nation—

To those millions of lads (and their brothers and dads)
Who are saving our civilization.

To the men from the mills and the farms and the hills
And the cities and mountains and plains—

To the workers and miners and airplane designers,
And crews on the ships and the trains.

Wherever they are—be it near, be it far,
On the land, in the air, on the sea—

With a stoutness of heart they are doing their part
To keep this—"the land of the free."

So good luck and God speed them—may nothing impede them
Nor make them delay nor digress—

May Christmastime find them with power behind them
To roll up a final success.

Seagram Distillers Corp., Chrysler Building, New York

Only the Finest is Fine Enough
For Christmas





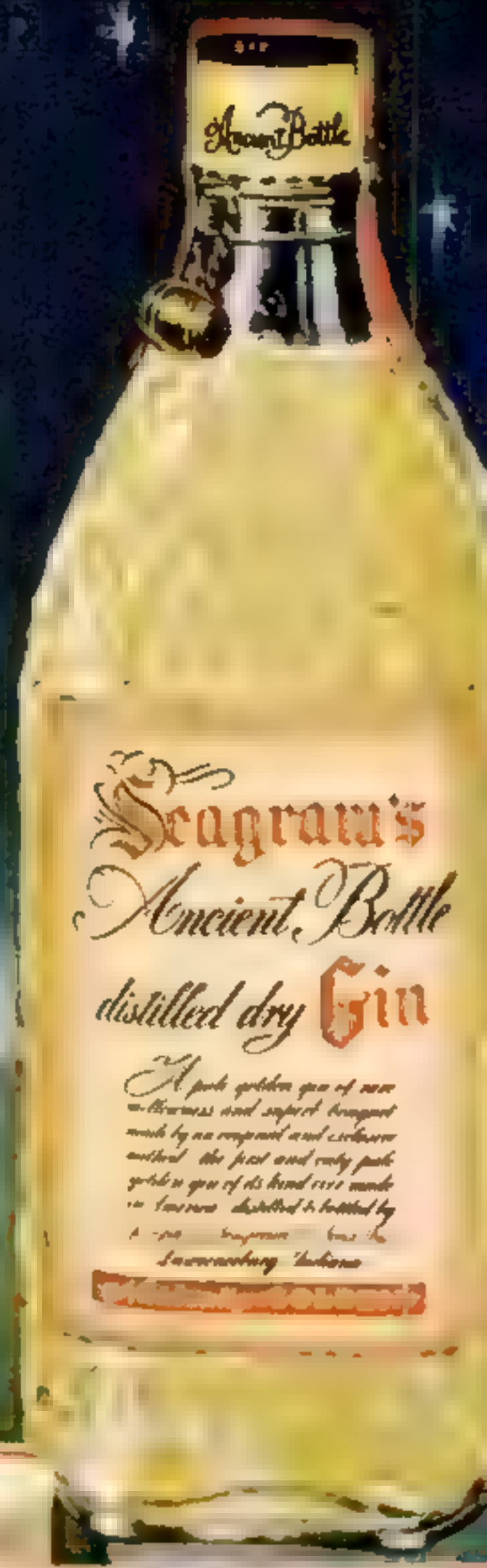
SEAGRAM'S 5 CROWN BLENDED WHISKEY

A favorite Christmas gift in the famous Host bottle, Seagram's 5 Crown is lighter, finer, better-tasting because Seagram keeps the toughness out, blends extra pleasure in. The perfect whiskey for highball, Manhattan, or Old Fashioned. 72 1/2% Grain Neutral Spirits. 86.8 Proof.



SEAGRAM'S 7 CROWN BLENDED WHISKEY

Seagram's finest American offering... rich and robust - yet without a trace of heaviness! Most pleasing to the palate - least taxing to the taste. A magnificent whiskey. Makes a delicious highball, Christmas eggnog, or punch. 65% Grain Neutral Spirits. 86.8 Proof.



SEAGRAM'S ANCIENT BOTTLE GIN

This Naturally Golden Gin is made by a slow, secret process that makes it extra mellow, extra smooth... mild as a vintage sauterne... and gives it a taste so pleasant you can even enjoy this exquisite gin straight! Distilled from Grain. 90 Proof.



SEAGRAM'S V.O. CANADIAN WHISKY

Canadian whisky at its glorious best... for those at the top of your gift list... for all your holiday guests. Graciously mellowed by Men Who Think of Tomorrow - so you may enjoy "the world's lightest highball". A blend of Rare Selected Whiskies. Six Years Old. 86.8 Proof.

Say **Seagram's** and be Sure



Now! Not Just a Promise...But

Actual Proof of New Skin Beauty for 2 out of 3 Women in 14 Days!

**BETTER COMPLEXIONS PROVED
BY 3 SKIN SPECIALISTS IN 216 TESTS
ON ALL TYPES OF SKIN**

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German Mark IV tank is vulnerable, like all enemy tanks, at periscope and vision slits and along the bottom where

there is less armor. Here U. S. infantrymen aim Garands at periscopes, while a .50-cal. machine gun fires at the tank's

belly. Another infantryman prepares a Molotov cocktail to throw into side ventilator, once the tank has been blinded.

ENEMY TANKS ARE VULNERABLE

Artist Noel Sickles shows how
the U. S. Army can destroy them

The U. S. Army teaches that German, Japanese and Italian tanks, instead of being invincible, are extremely vulnerable, provided the correct method for attacking them is used. The best way to learn the correct method, of course, is by actual battle experience but that may prove too bloody. One of the next-best ways is learning from realistic drawings like the ones here, done by Artist Noel Sickles and presented by LIFE to the Army.

Before Sickles went to work, the subject matter for each drawing was discussed by LIFE with officers of Army Ground Forces. Then Sickles was given a selection of several thousand photos, showing in detail all visual features of enemy tanks, equipment and troops. To draw the turret periscope shown above, for

instance, he required four pictures, one to show detail, one to show front, two more to show side and downward angles. With all necessary military details in his possession, the artist then proceeded to make his pictures as dramatic and exciting as possible, without sacrificing military accuracy. The result is probably the war's greatest set of military drawings, surpassing even the work of the German artist Matejko.

At Camp Hood, Texas (LIFE, Oct. 26), the Army is training men in the use of new tank-destroyer weapons and equipment. But tactically, these drawings are even more universal than the work of the tank-destroyer units. They show how any combat force using only its own weapons and its own methods, may bring utter destruction to enemy tanks.

Tanks are blind, as shown by the bad field of visibility of this German light tank. To enable him to see more of the terrain, driver has opened his port rather than use his periscope—a bad but normal habit.



U. S. .50-cal. machine guns are powerful enough to wreck light tanks and destroy the tracks of heavier tanks. Here a machine gun destroys a Japanese 8-ton tankette.



CONTINUED ON NEXT PAGE 53



Land mines will destroy tanks. Here a German Mark IV has its turret blown to bits and its body shattered by a big mine, while at the left a Mark III medium, its tracks broken by two small mines, rolls helplessly down a slight slope. Once their tracks are broken in this way, tanks must keep rolling until they are stopped by some obstacle.

Flame thrower pours searing fire on a German Mark III medium tank as it passes underneath a window in upper story of a house. Heat and burning oil are penetrating the tank's interior, while the loader is trying to escape through the turret to avoid suffocation. Oil is running toward the engine and soon the whole tank will burn up.





↑ **Infantrymen attack a tank** after they have waited in ambush until the tank has come so close it cannot depress its guns sufficiently to hit them. Man at left has heaved a Molotov cocktail into the engine ventilator. The next man is about to throw another Molotov, and the other two men are heaving grenades at tank's front sprockets.

While refueling, tanks are especially vulnerable. They get only about one mile to a gallon of fuel and have to stop often. Here a 15-minute patrol has opened fire on a German Mark III tank column, the crews of which are caught in the open with tank hatches not closed. Fuel in 5-gal. cans is still lying around, and will soon catch fire.





Not Sickles

Roadblocks can stop a column of tanks. Here a German force has been probing the U.S. flank. Blumenthal's tank is not a psychist and is not a good one. It is not a tank for a scout car. It is forward a light tank is foolishly trying to rush the road block, while tank of the U.S. would recover. Heavy tanks or artillery will be needed to blow up the roadblock.

Steel tetrahedrons "belly" a tank and raise its tracks to lose their grip, leaving the tank at the mercy of artillery or tank destroyers. This is a German Mark IV. Instead of rushing the blockade, it should have taken time to shoot it away. Steel obstacles, guarded by rifle and machine-gun fire, slow up tanks, do not destroy them.





↑ **Stumps** will also "belly" tanks and stop them cold. Here a big ex-French "Char B" tank, similar to a U. S. General Lee, is stuck, while engineers with TNT blocks on poles try to blast a path. But they are being cut down by rifle and machine-gun fire. The long pole in left center is a hangalore torpedo, used also for leveling barbed wire.

Stopped by a camouflaged trap, a light German tank is captured and fished out by a U. S. recovery truck and wrecker, while the German crew, in the background, is captured. Such traps are particularly effective if fire is held down, so that tanks must advance blindly without foot troops. Then the tanks, unwarned, will fall into the traps. ↓





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Tanks Are Vulnerable (continued)



U. S. P-39 Airacobra attacks German Mark IV 22-ton medium tanks advancing across a flat field. Its shell probably cannot pierce the tanks' armor, but it can ruin the tracks. The tank just above the plane's nose has already been hit in its right track and disabled. The drawings on this page illustrate tank-destroying weapons.

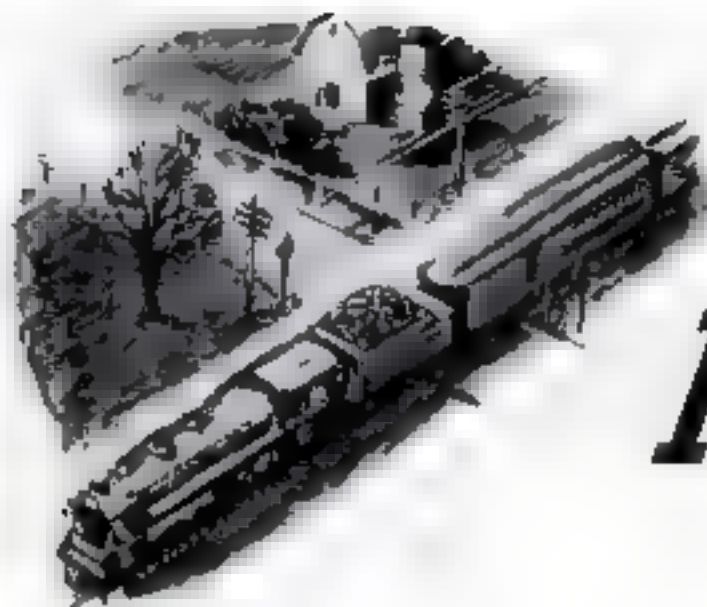


A tank destroyer repels a German tank attack. This half-track with its high-velocity 75-mm. gun has knocked out an ex-Czech light tank (left), then after changing its position behind a sand dune, is destroying the next tank (right). The dismounted soldier protects the destroyer's crew from enemy riflemen who might pick them off.



A field artillery 105-mm. howitzer blasts Jap tanks coming up a road. Because the howitzer has had to be hurriedly emplaced, its camouflage is not perfect, but it is good enough to fool the Japs. If time permitted, best way to shoot at the tanks would be from the side of the road, at right angles, at the vulnerable sides of the Jap tanks.

CONTINUED ON PAGE 89



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He is moving a million men every month—and our Army is getting bigger every day.

A million men fill a lot of passenger cars, so you can get some idea what "right of way for the U.S.A." really means.

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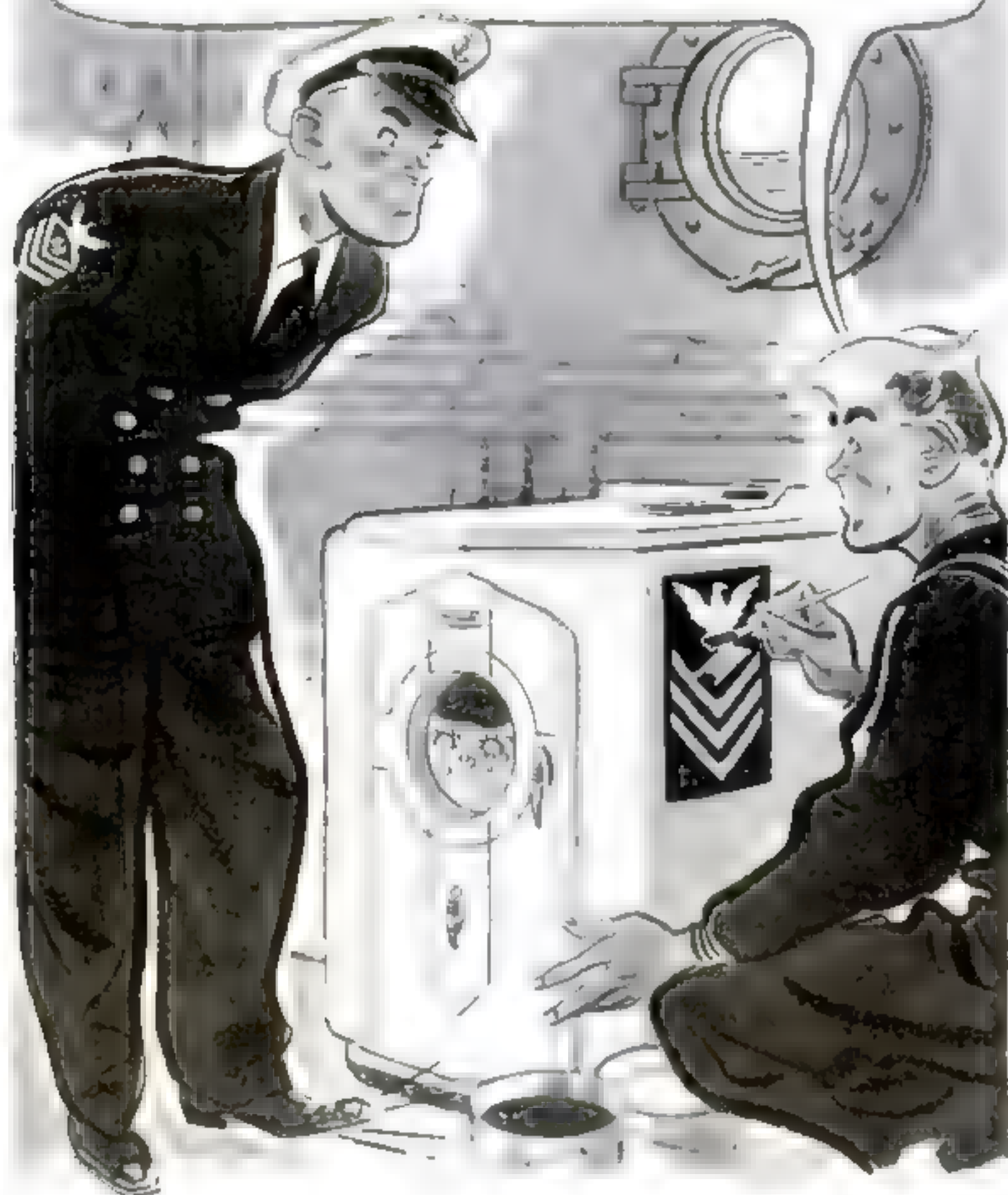
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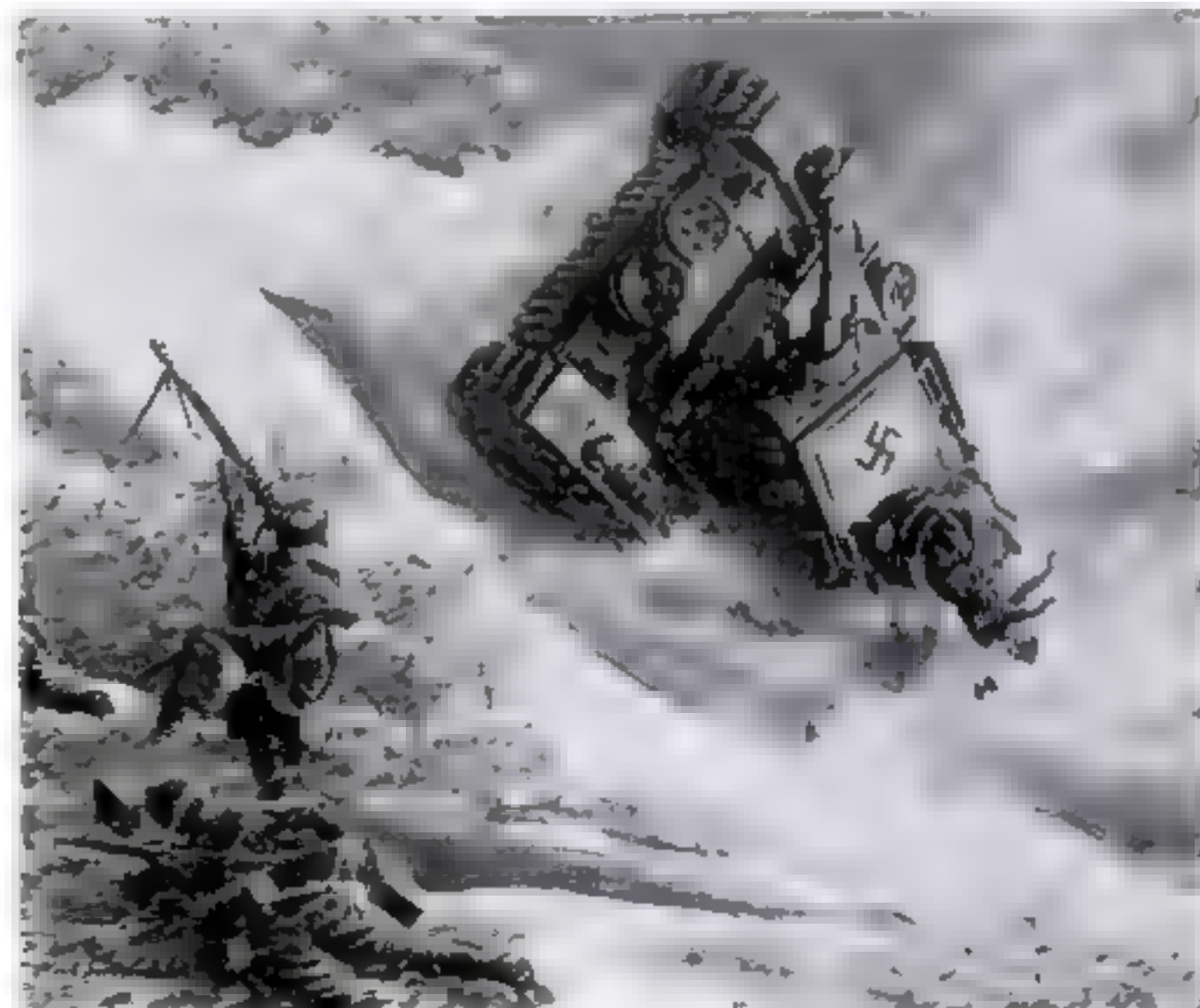
Tanks Are Vulnerable (continued)



Natural woods can be employed to stop tanks. Here an Italian tank, protected by infantry, is trying to sneak through a forest, but U. S. soldiers hiding in trees shoot down both the infantrymen and the tank drivers looking out to see where they are going. The drawings on this page show how to use natural barriers to stop tanks.



Across a water barrier 4 ft. deep, fatal to light tanks, Japs are disastrously trying to rush a tank attack, while U. S. infantrymen cut down their engineers, who are laying a corduroy across the water. Most of the tanks are already stuck. All of them will stand little chance against the .50-cal. machine gun which has been brought up.



Natural slope of more than 45° topples a German tank as it tries to climb. This Mark III tried to go sideways but failed. The tank commander will be killed, while the German light machine-gun squad in foreground will continue to look on helplessly. To stop tanks, soldiers must be prepared to use natural as well as artificial obstacles.

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GYPSY ROSE LEE

She combines a public body with a private mind

by RICHARD E. LAUTERBACH

Gypsy Rose Lee is a classic paradox: an intellectual strip-teaser. Her purely physical accomplishments have helped her to become in the last decade one of America's most famous women. She has built up a huge personal following which is as fanatical as Aimee Semple MacPherson's, as faithful as Shirley Temple's, and as argumentative as Eleanor Roosevelt's. She has this huge following because she is probably the only woman in the world with a public body and a private mind, both equally exciting.

In her 28 short years she has written a best-seller, been subpoenaed as a Dies Committee witness, starred in a \$4.40 Broadway musical, exhibited her works of art (Charles Dana Gibson plates) at a great museum, charmed her way into one of New York's most exclusive literary sets, started and finished a Hollywood career.

When she is not appearing on the stage or writing, she is likely to be raising money for the U. S. O., selling war bonds, making speeches for the United Mine Workers in their strike against Helena Rubinstein, replanting her garden, arguing with Harry Bridges, considering the purchase of the *Police Gazette*, reading Proust, haunting back-street auctions and pawnbrokers looking for scraps, or posing for the cover of *The Plumbing and Heating Journal*.

Physically this incredible end product of 20th Century America is Amazonian. She is 5 ft. 9½ in., weighs 130 lb., has hazel eyes and auburn hair. Her figure is statuesque. Her voice is throaty. She has a quick, theatrical manner of speech, frequently punctuated with "darlings" and profanity. When she has been smoking or drinking too much she gets so hoarse that she has to forswear these vices for several days. Her favorite drink, gin and tonic, is now hard to obtain, so she consoles herself with wine and Seltzer or straight Scotch. Her clothes, always striking on or off the stage, are designed by John-Fredericks.

It is safe to assume that no culture but our own could fashion such a unique national character as Gypsy Rose Lee. She cannot sing, dance or act but she earns more on the stage than Helen Hayes or Katharine Cornell. She is a novice writer, but her first novel—*The G-Spring Murders*—has sold more copies than any mystery since *The Thin Man*. Her first play, a comedy called *Ghost in the Woods*, will be produced on Broadway. She is a shrewd, practical businesswoman, a keen parlor wit of the Dorothy Parker variety. She has a new husband who is one of the theater's good serious actors. Her opinions of fine arts and photography are highly respected by leaders in those fields. When she frequently has her say on class war, love, trade unions, fashion or politics, the public listens and the newspapers quote.

She adopts her right name in Hollywood

In 1937 when Gypsy was signed to a \$2,000-a-week Hollywood contract by Darryl Zanuck of 20th Century-Fox, mothers' clubs, church groups and the Legion of Decency raised such a furor that the Hays office made her revert to the name Louise Hovick. Editorials in Hollywood trade papers discussed the matter under headlines like "Is Sex Coming Back to Hollywood?" Zanuck instructed Gypsy to act sedate, play down her burlesque background. "And you can just imagine me doing that," Gypsy comments.

Her film debut in *You Can't Have Everything* was not a thing of glory. One kind reviewer said accurately that with its customary perverse generosity, Hollywood gave Gypsy the two things she needed least: another name and several complete changes of clothing.

In Hollywood Gypsy didn't mix with what she calls the "Norma Shearer-Clark Gable axis." She associated mainly with the ex-burlesque people—Bert Lahti, Fanny Brice (her best friend), Rags Ragland—and a few radical intellectuals like Harry Kurnitz and Lionel Stander. Before she worked in Hollywood, Gypsy loved movies. She and her younger sister June would often go on movie

← Gypsy Rose Lee costumed as "Girl on the Police Gazette" in a number of "Star and Garter" high-priced Broadway hit which gave her star billing.



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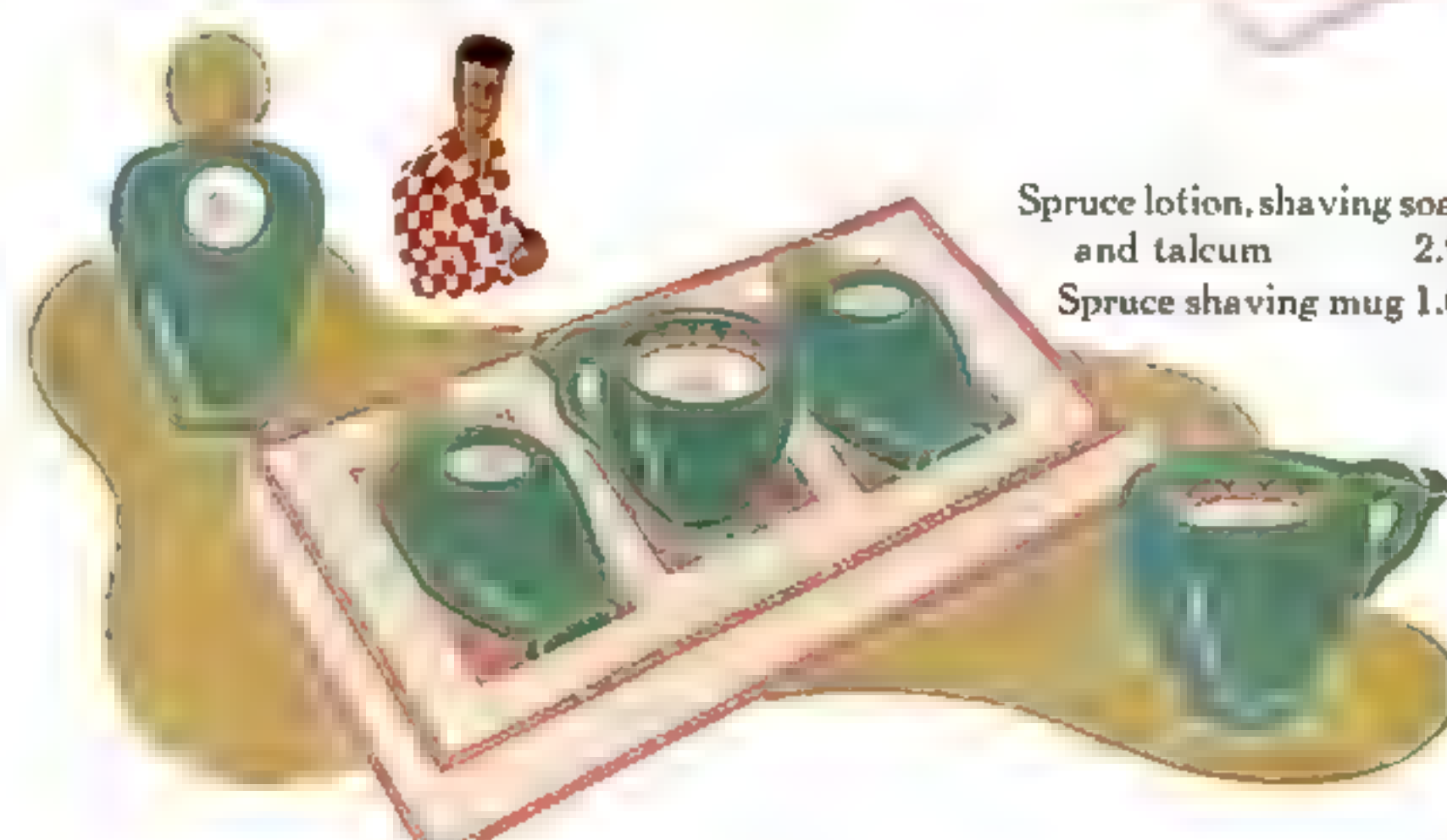
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1922 vaudeville act featuring the Hovick girls was built around a military number. In the line-up (right to left) are Baby June, 6, Rose Louise (Gypsy), 8, and the Dicht sisters.

GYPSY ROSE LEE (continued)

"drunks," seeing four or five in a day. Now she can't stand them.

Gypsy feels that going to Hollywood was her one major professional mistake. "Stage experience is no great help in the movies," she says. "You time a scene carefully, saving the right expression to climax a certain situation. When you see the scene in the cutting room you find that your carefully saved right expression never appears. At the psychological moment when you were giving your facial all, the camera was focused on the butler bringing in the drinks."

Hollywood taught Gypsy that political convictions can sometimes cause more trouble than nudity. In 1938 she was summoned by the Dies Committee for testimony about a Hollywood campaign to raise money for Loyalist Spain. Gypsy was appearing in Columbus, Ohio, at the time. She told reporters, "I'll bare everything if the Committee will come to Columbus." Later she remarked that with her act and Dies publicity they could bring back vaudeville.

Gypsy's political thinking, which has been called everything from Red to ridiculous, is all her own. She does not parrot any special line. When she was called a Communist for her Hollywood activities, she said, "Maybe we did give parties out there to raise money for poor kids and women in China and Spain. Is that un-American? I thought it was the American creed to help the down-trodden."

Her taste is Victorian

Her small New York apartment in the East 50's is a heavy and bizarre Victorian in its decor. The walls are yellow and most of the furniture is in bright colors, with loud pink a pronounced favorite. Many of the pieces which Gypsy bought in junk shops and at auctions have been refurbished under her direction. A few chairs are covered with her own needlework. Her living-room walls are decorated with many Marcel Vertes watercolors, including several poses of Gypsy. Her bedroom has a series of framed tattoos on the walls, and in odd places around the apartment are scattered metal and plaster cherubs.

In the back garden of this basement apartment Gypsy holds frequent Sunday-morning breakfasts for one to two dozen assorted friends. Among the guests are likely to be George Davis, Mr. and Mrs. Carl Van Doren, Deems Taylor, George Jean Nathan, Georgia Sothorn, Marcel Vertes, Tchelitchev (a Russian costume designer), John and Fred of John-Fredericks.

Gypsy's first marriage ended last year in a divorce. It began in 1937 when Gypsy was working in Hollywood. She wed Robert Mizzy, a

CONTINUED ON NEXT PAGE

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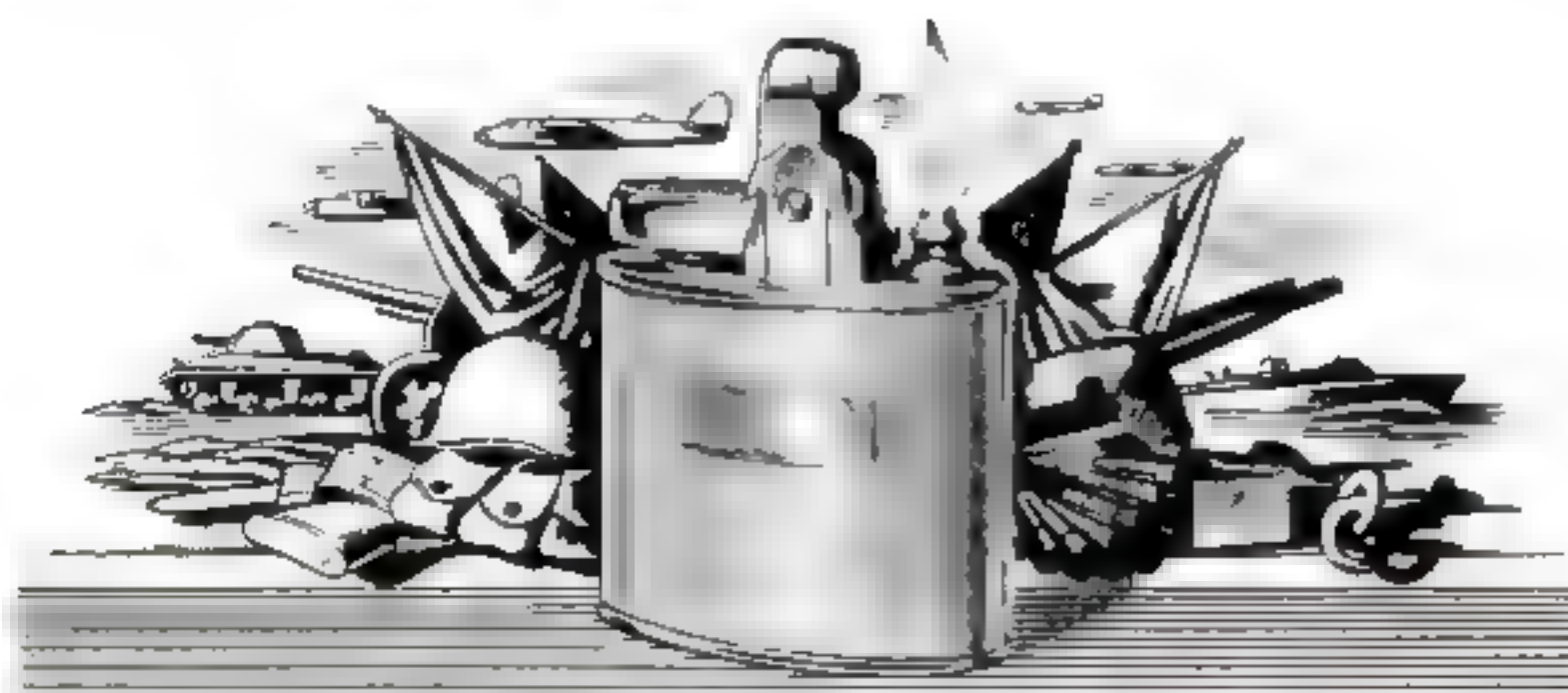
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GYPSY ROSE LEE (continued)

dental supply manufacturer, twice. The first time was in a small boat off Catalina Island to preserve a Hovick tradition ("We're all married at sea—our name is a contraction of 'Ho, Viking!'"), the second time on land to preserve Gypsy's shaky standing with the Hays Office.

Gypsy claims that Mizzy was a "nice guy" but when he wanted to go night-clubbing she wanted to sit home and read Maugham (her favorite author). Bill Kirkland, Gypsy's new husband, is a former Group Theater actor who has a part in *Junior Mists*. He is 38, well-educated, quiet, and not bad-looking for an aging juvenile. Carl Van Doren was best man at their wedding at Gypsy's remodeled farmhouse, Witchwood Manor, located in Highland Mills, N. Y. ("just a snob's throw from Tuxedo Park").

Gypsy is currently appearing in *Star and Garter* which she says will be her last show. She feels she's been around long enough, getting away with murder and a bigtime salary without any special talent. She may do a few turns in vaudeville just to help pay taxes, but no more shows. "Vaudeville is for tired people," she says, "and that's me." Her future, she believes, lies in the field of writing. Her *G-String Murders*, a salty, slangy mystery about a burlesque-house killing, has sold over 25,000 copies to date, which is more than any other mystery since *The Thin Man*. Her second book, *Mother Finds a Body*, has just been published. She has sold five articles on her childhood to the *New Yorker*, and other pieces to *Harper's Bazaar*, *Mademoiselle*, *Collier's* and the *American Mercury*.

The story of how Gypsy became a writer is like something out of a Kaufman and Hart play. While she was working at the World's Fair, Walter Winchell asked her to write a guest column during his vacation. Timidly Gypsy accepted. She borrowed a typewriter. Winchell sent her a ream of paper and a folder of carbon. She did the column and got a great kick out of doing it. When she was done there was still a lot of paper left over and she couldn't remember to return the typewriter. So between shows she began pecking out the first words of *G-String Murders*.

A star is born in the rain

Gypsy is now working on a third book, dealing with the early years of her incredible career. Any objective historian of Gypsy's life and times is forced to set down that this incredible career began being incredible at birth, if not before. She was born Rose Louise Hovick, in Seattle. Her father, a cub reporter on the *Post-Intelligencer* earning \$8 a week, was busily building a small home with his own hands on the outskirts of town when Gypsy arrived. A storm was brewing on Jan. 9, 1914, and Mrs. Hovick was helping to get the roof up in time. The rains came and so did Gypsy. Neighboring women came to aid Mrs. Hovick, holding a canvas sheet over her while a colored midwife officiated. Suddenly Mrs. Hovick realized that the piano was uncovered and getting wet. "Cover the piano," she cried. "Don't mind us. You can always get more babies."

Two years later Sister June was born. Soon after that event Mr. and Mrs. Hovick separated, Mother taking the girls. At the age of 4, Louise (Gypsy) was sent to dancing school. One day when her mother called for Louise she brought June along. At the sound of the school phonograph the younger Hovick began to gyrate around the floor. The dancing teacher, who had been singularly unimpressed by Louise's attempts to master simple rhythms, told Mrs. Hovick that Baby June was a "natural ballerina." So Mrs. Hovick bought ballet shoes for June and sidetracked Louise.

When June was 2½, Mother Hovick took her daughters to Hollywood where she formed a vaudeville act of June and some other children called "Dainty June, the Hollywood Baby, and her Newsboys." Louise joined the act as Rose Louise, the Doll Girl. June was the work horse of the act. She sang, danced, gagged. Despite her superior talents, she was envious of Louise who only walked across the stage a few times in a different dress, looked glamorous and talked her songs. The family played independent houses for three years. Then they acquired a manager, Murray Gordon, who moved them into the bigtime Keith-Orpheum circuit for several years, with weekly takes as high as \$1,500.

During this period the girls led a rough, tough troupers' existence. They lived out of suitcases and trunks, spending their free time on the front steps of musty theatrical boardinghouses or in the lobbies of second-rate hotels. Louise traveled with a pet monkey, June with a pair of guinea pigs and a pair of white rats, while Mother kept two poodles on a string.

Their education was as thoroughly neglected as possible. In many



First Husband Robert Mizzy posed with Gypsy and her mother at Highland Mills in 1939. The Mizzy's had just arrived from Hollywood after a honeymoon trailer trek.

States Mrs. Hovick fibbed about their ages to keep them out of school or to keep them on the stage after sundown. After one serious brush with the law when phony birth certificates failed to stand up under official scrutiny, a tutor was hired. But she rarely had a chance to give her charges any lessons and she didn't last long.

When Gypsy was 12 and June 10 the girls often occupied themselves between shows by riding up and down department-store escalators. When they were bored with this amusement they would go into a record shop, listen to 20 records, buy one and smuggle out the other 19 stuffed in their oversized bloomers. Gypsy claims she is so honest now that she makes a practice of returning hotel towels.

One day in Detroit the girls investigated a bookshop. Louise took a strong fancy to the biggest book with the fanciest binding, and bought it. The tome was Karl Marx's *Das Kapital*. This incident has made good copy for press agents ever since. The clerk who sold Louise the book was George Davis, now an associate editor of *Mademoiselle* and one of Gypsy's close friends.

The girls had a little more religious than secular education. Louise was a Catholic by birth but at an early age her mother began teaching her the precepts of Christian Science. When she was bad she was required to write out Mary Baker Eddy's "Scientific Statement of Being" 100 times as discipline. Gypsy can recite it without a missed syllable to this day. Her second marriage was an Episcopal ceremony performed by a Congregational minister.

At the peak of the act's prosperity Louise, who liked to use French phrases and showed signs of becoming more of a student than June, was packed off to a summer camp in New Canaan, Conn. June has never stopped envying her sister this "education," and frequently attributes Louise's success as an intellectual to "those five weeks 'Gyp' had in a high-class boarding school." As usual, June was overworked, suffering periodic nervous breakdowns, hating her lot in life. Recalling it recently she told a reporter, "At that time I wanted to die—just for the vacation."

June tried to solve her problems by running off with one of the chorus boys in the act when she was 13. This caused a crisis in the Hovick family fortunes. Louise, cool, resourceful and 15, stepped in to the breach. She took over the act, fired all the boys, and hired girls. The act was retitled, "Madam Rose's Dancing Daughters." It wasn't as good or as successful as it had been with June as the star, but it got by. Louise had the girls platinum their hair to contrast with hers. She also designed and sewed all the costumes.

Hovick becomes Lee

Louise took the step from vaudeville into burlesque a year later. The act was stranded in Kansas City without a booking, when an agent offered Mrs. Hovick a chance to play the local burlesque theater, the Missouri. Mother objected, but Louise, the practical, put up her hair, smeared on some lipstick and accepted the offer. The act became "Rose Louise and her Hollywood Blondes."

Somewhere along the burlesque circuit from Kansas City to Broadway she hit on the now-famous trademark, Gypsy Rose Lee. She ex-

CONTINUED ON PAGE 30

PARK & TILFORD RESERVE



A gift in finest taste

—because it is the
finest-tasting Whiskey
of its type in America!

PARK & TILFORD DISTILLERS, INC., NEW YORK, N.Y. • 70% GRAIN NEUTRAL SPIRITS • 86.8 PROOF

What have we got that they haven't got?

"THE PENNSYLVANIA PLUS"



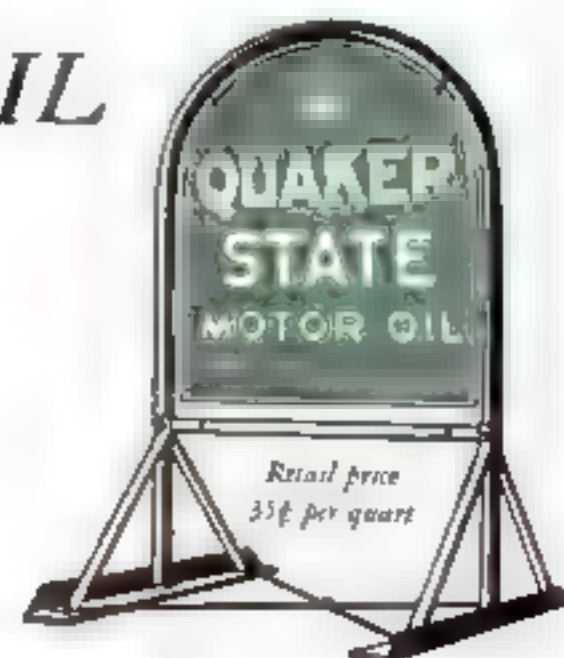
*...the big margin of superiority
Nature gave to
Pennsylvania grade crude oil*

ON those everlasting sea patrols where an oil failure means a lost flyer . . . in the closing half-hour of an Army Transport Command flight . . . in the tight spots and the pinches, Pennsylvania oils are proving their superiority.

The Axis has nothing comparable to these oils. All their conquests have given them no lubricants even approaching Pennsylvania quality. All their ingenuity with synthetics cannot produce a satisfactory substitute. Nature's greatest contribution to the lubrication of vital war machines, Pennsylvania grade crude oil, remains unequalled in the world.

For more than 25 years, Quaker State has been a leader in the field of high-quality lubrication. From these Pennsylvania crudes, it refines motor oils that give our flyers a superiority as definite as the superiority of the U. S. bomb-sight. Quaker State's four great refineries, using the most advanced technique and equipment, are producing lubricants for the United Nations' war effort . . . with the all-important "work-factor" so high that it is not even remotely approached by Axis lubricants. Quaker State Oil Refining Corporation, Oil City, Pa.

**STABILIZED
QUAKER STATE
MOTOR OIL**



GYPSE ROSE LEE (continued)

plains that her mother called her "Gypsy" because of her dark looks and her addiction to tea-leaf readings and horoscopes. Since then her friends have shortened this to "Gyp."

The late Billy Minsky introduced Gypsy to New York on April 1, 1931 at his Republic Theater on 42nd Street. She was an immediate sensation, aided by smart publicity and an arrest which splashed her face and form on page one of the tabloids. Gypsy held over at the Republic for twelve weeks, a record. When Ziegfeld offered her a bit in *Hot-Cha* at \$60 a week, she accepted. Later she appeared as a show-girl in the *Follies*, George White's *Scandals* and Billy Rose's *Casino de Paris*. "I was getting fed up by this time," Gypsy says. "Who the hell wants to be a white zombie?"

She went back to burlesque and soon became the queen of all strippers. Minsky always claimed that Gypsy transformed the crass strip-tease into "seven minutes of sheer art." His appreciation was based on the fact that the public paid to see her—which was and still is a mystery to everyone including Gypsy. She shows less than Margie Hart, is less suggestive than Ann Corio, less "hot" than Georgia Sothorn. She scorns the use of either bumps or grinds, fundamental gyrations of a burlesque routine. She peddles her act as Sir Basil Zaharoff vended armaments—shrugging off the moral issues, figuring that she has a commodity for sale which people are going to buy anyhow.

Gypsy believes that sex on the stage is funny and should be played only for laughs. "Bare flesh bores men," Gypsy insists. "Black silk stockings are more seductive than bare legs and black lace panties are more exciting than a rose-petal belt."

Her routine for years has been a slow strip which she accompanies with a smart patter song. It used to be *The Psychology of the Strip Teaser*. In *Star and Garter* her ditty is called *I Can't Strip to Brahms*. She wrote the lyrics of both numbers herself. This act has helped her to stay out of trouble with the censors, although in Boston they stopped her act and made her put a rhinestone in her navel.

She doesn't give her "all"

Perhaps the answer to Gypsy's hold over an audience is her charm, even if it isn't the usual burlesque type of charm. The minute she walks on with her absurd Gibson Girl coiffure, her dainty white shirtwaist, her broad belt and flaring skirt, she lets the audience in on the whole joke. They quickly realize Gypsy is something of a fake as a stripper. She has no intention of really giving, giving, giving to the last G-string. On occasions her lines would go like this: "Darlings, please don't ask me to take off any more. I'll catch cold! . . . No, please, I'm embarrassed! No, honestly, I can't, I'm shivering now."

In her long career, Gypsy has had her share of embarrassing experiences that were not gags. There was the time at the old Apollo when she fell off the runway and knocked a man unconscious. On another occasion, a New Year's Eve, when she was having her front teeth recapped for the *Follies*, one of them fell out and dropped into a man's hand. Her worst experience took place at the Republic. One afternoon, bursting with smiles and personality, Gypsy started ambling from the stage onto the runway. In the middle of a word she fell with a loud crash into the orchestra pit. The stage manager had neglected to tell her the runway had been removed in compliance with an order of the Fire Department.

Someday Gypsy expects to write a book about her mother who now lives in Nyack, N. Y. Gypsy sends her \$150 a month, but every once in a while when the girls are in the chips they can expect further appeals. When June had a featured role in *Pal Joey*, the doorman at the theater was approached one night by a white-faced old woman in a disreputable old polo coat. Her hair was pulled back, and according to Gypsy, she looked like "an old skyscraper night-lark without her bucket and mop." The doorman asked her what she wanted. "Miss Havoc," the old woman whispered as if it were her last breath. She staggered a little and muttered something about wishing she had a bowl of hot soup. Then she said painfully—"Just tell Miss Havoc it's—it's—her mother."

This scared June until she recalled her mother had pulled the same act on Gypsy at the Fox Studios in Hollywood. June quietly told the doorman it couldn't be her mother, that her mother always wore diamonds and mink.

In *Mother Finds a Body*, Gypsy refers to the fact that her mother used to steam open other people's letters and read them. Simon & Schuster demanded that Gypsy get her mother to sign a waiver so there would be no danger of a libel suit.

Gypsy telephoned her mother and explained the situation.

CONTINUE ON PAGE 10

Now! CORNING CHRISTMAS ORNAMENTS

Made by the makers of
famous **PYREX WARE!**



BETTER THAN EUROPE'S BEST!
Made in America on American machines, they're stronger, rounder . . . better than any ornaments you've ever seen before. They'll not only add sparkle to your tree, but you'll find dozens of ways to use them as table, mantle, window and doorway decoration!

FIVE GLOWING LIGHT-PROOF COLORS . . .
red, blue, green, silver and gold. Plain ornaments. Decorated ornaments. Fancy shapes in twelve different designs. You'll find them at stores everywhere for five and ten cents!



SO DON'T WAIT TILL THE LAST MINUTE! Do your shopping now while selections are complete. Let Corning tree ornaments—this year of all years—help give your children the Christmas they deserve!

WHY CORNING TREE ORNAMENTS ARE BETTER!

- SPECIAL GRIP-TIGHT CAP
- WIDER, STRONGER NECK
- ROUNDER, MORE UNIFORM SHAPES
- BRILLIANT, NON-FADING COLORS



LOOK FOR **"CORNING"** ON THE
THE NAME **CARTON!**



WHICH IS WHICH? { **\$45.00** Bootmaker's Original and **\$6.60** REGAL REPRODUCTION

ONE of the shoes in the unretouched photograph above cost \$45 a pair! The other costs just \$6.60 a pair in any Regal Shoe Store!

"What's the catch?" There isn't any!

We bought the original from one of New York's renowned custom bootmakers, and reproduced it in our factories at Whitman, Mass. The "Regal Reproduction" is made over the same last, from the identical leather (imported Martin's Albion Grain—finest of all leathers produced by the famed Martin tannery in far-off Glasgow, Scotland)!

Thus Regal carries on its established policy of reproducing the masterpieces of English and American custom bootmakers—and another military-styled shoe joins the "Regal Reproductions" to be found in your nearest Regal Store!

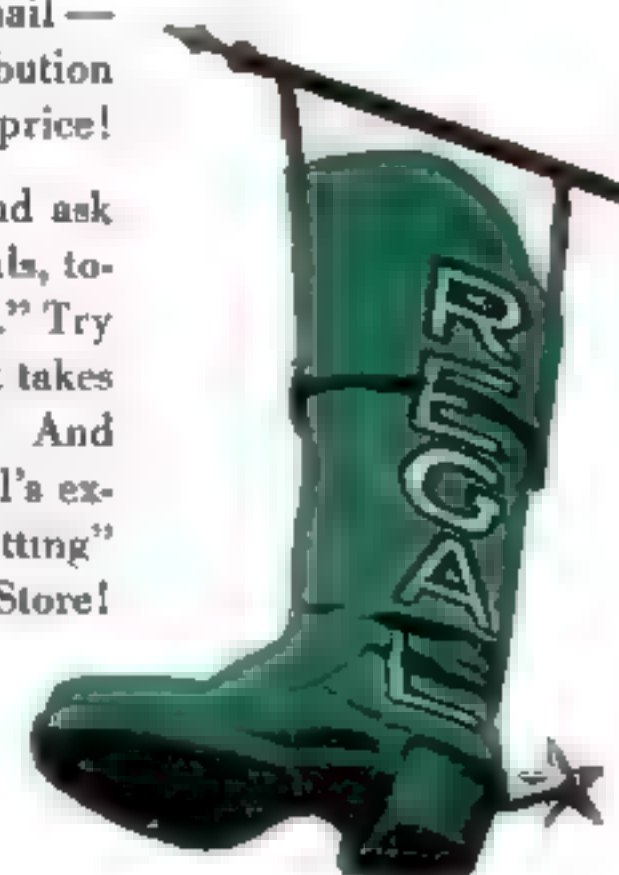
We don't claim that this latest "Regal Reproduction" is worth \$45, of course. Naturally, the original is hand made and hand stitched. And while the custom bootmaker can make only a few pairs a day, Regal makes more than 3000 pairs daily!

But the "inside story" of Regal's low price is factory-to-you distribution! Every

shoe made in the Regal factories is sold through Regal Stores only, or by mail—no multiple profits, no heavy distribution costs to boost the single coast-to-coast price!

Visit a Regal Store right away, and ask to see one of the bootmaker's originals, together with the "Regal Reproduction." Try to tell which is which. You'll find it takes a keener eye than most folks have! And while you're there, learn about Regal's exclusive, patented "Prescription Fitting" service—a feature of every Regal Store!

(See page 146 to learn "which is which" in the unretouched photo above.)



REGAL SHOES

FACTORIES AND MAIL ORDER DEPARTMENT AT WHITMAN, MASS.
WRITE FOR FREE ILLUSTRATED STYLE FOLDER "L-2"

80 REGAL-OWNED RETAIL STORES IN Atlanta, Baltimore, Birmingham, Boston (3); Brooklyn (8); Buffalo; Chicago (3); Cincinnati, Cleveland; Detroit (7); Hartford, Hollywood; Houston; Jersey City (2); Kansas City; Los Angeles (2); Milwaukee; Newark; New Haven, New York (29 stores in Greater New York); Norfolk; Oakland; Paterson, New Jersey; Philadelphia (4); Pittsburgh; Portland, Oregon; Providence; Richmond; Rochester; St. Louis; San Francisco (2); Seattle; Springfield, Massachusetts; Syracuse; Tacoma; Washington (2); Worcester.

GYPSY ROSE LEE (continued)

"Why should I sue for libel?" asked Mother.

"Because I say you steamed open envelopes and that's a criminal act," said Gypsy.

"Criminal? Criminal?" Mother screamed. "They're crazy, it can't be. Why I've been doing it all my life."

Now that sister June is on the way to success in the movies, some of the big-and-little-sister antagonism between the Hovick girls has disappeared. Yet Gypsy thinks June wastes her time on dull people, doing dull things. June thinks Gypsy wastes her time being a literary butterfly. Occasionally they correspond. They frequently make trades. In Gypsy's New York apartment is a spinet piano (which she can't play) obtained from June by trading her an ermine coat. Now June wants to swap her fitch fur cape for her sister's sewing machine.

Financially speaking, Gypsy is pretty well fixed. Her current salary in *Star and Garter* is \$3,000 per week. She has made more than that in vaudeville, but not for a very long stretch. A few years ago she turned down an offer for \$4,000 a week, which gave her more of a thrill than banking the money. She likes to tell people that she made more money last year from her writing than from her stage work. And if you count the \$25,000 which United Artists paid for the screen rights to *G-String Murders*, her boast is probably true.

The idea of an intellectual strip-teaser is no greater paradox to show people than Gypsy's present status as star of a \$4.40 Broadway hit. In years to come when Gypsy Rose Lee is just a name on a publisher's list or a gleam in the eye of an aging burlesque habitué, show business will still wonder how she consistently packed theaters for ten years. Gypsy answers the riddle herself with this story about her cute little Chihuahua puppy named Popsy which appears in Gil Maison's *Star and Garter* animal act. During the act, which has many talented dogs performing amazing tricks, Popsy runs across the stage, takes a startled look at the audience, and scampers off. The audience cheers. Popsy patters back for a quick bow. This routine is repeated twice during the act, and Popsy gets more applause than anyone else. One night Mike Todd, producer of *Star and Garter*, watched Gypsy as she left the theater after wowing a capacity audience. Cuddled in the nook of the star's arm was Popsy.

Todd scratched his head, turned to the guard at the stage door, and said, "There go the two greatest no-talent queens in show business."



At home in New York, Gypsy relaxes by playing with her chihuahua, Popsy. In background are various antiques which Gypsy collects, including her pink-horned Victrola.

Give her festively packaged **Pacquins**

For smoother, lovelier hands...(and—
Mistletoe Secret—for softer lips, too!)

WAR worker, or worker in her own home, every girl and woman wants soft, smooth hands...will find wonderful hand protection in Pacquins.

Give "Her" Pacquins Hand Cream! A gift she'll treasure long after the holidays—an extra-rich, greaseless cream that softens and soothes rough, chapped hands. And (mistletoe secret) Pacquins protects and softens lips, too.

Surest test of Pacquins gift popularity!—women buy this wonder-working hand cream predominantly for themselves and for each other! Appealing gift packages in two sizes—economically priced at 50¢ and \$1. At cosmetics counters everywhere.



Holiday
packages of

Pacquins Hand Cream



CAPTAIN DIGBY-BESTE IS BERTHING OFFICER FOR CONVOY PORT. HE APPORTIONS HARBOR SPACE FOR ALL INCOMING SHIPS, SHOWS THEM CORRECT ANCHORAGE (NOTE CENSORING)

CONVOY PORT

Joint United Nations planning
keeps our convoys on the move

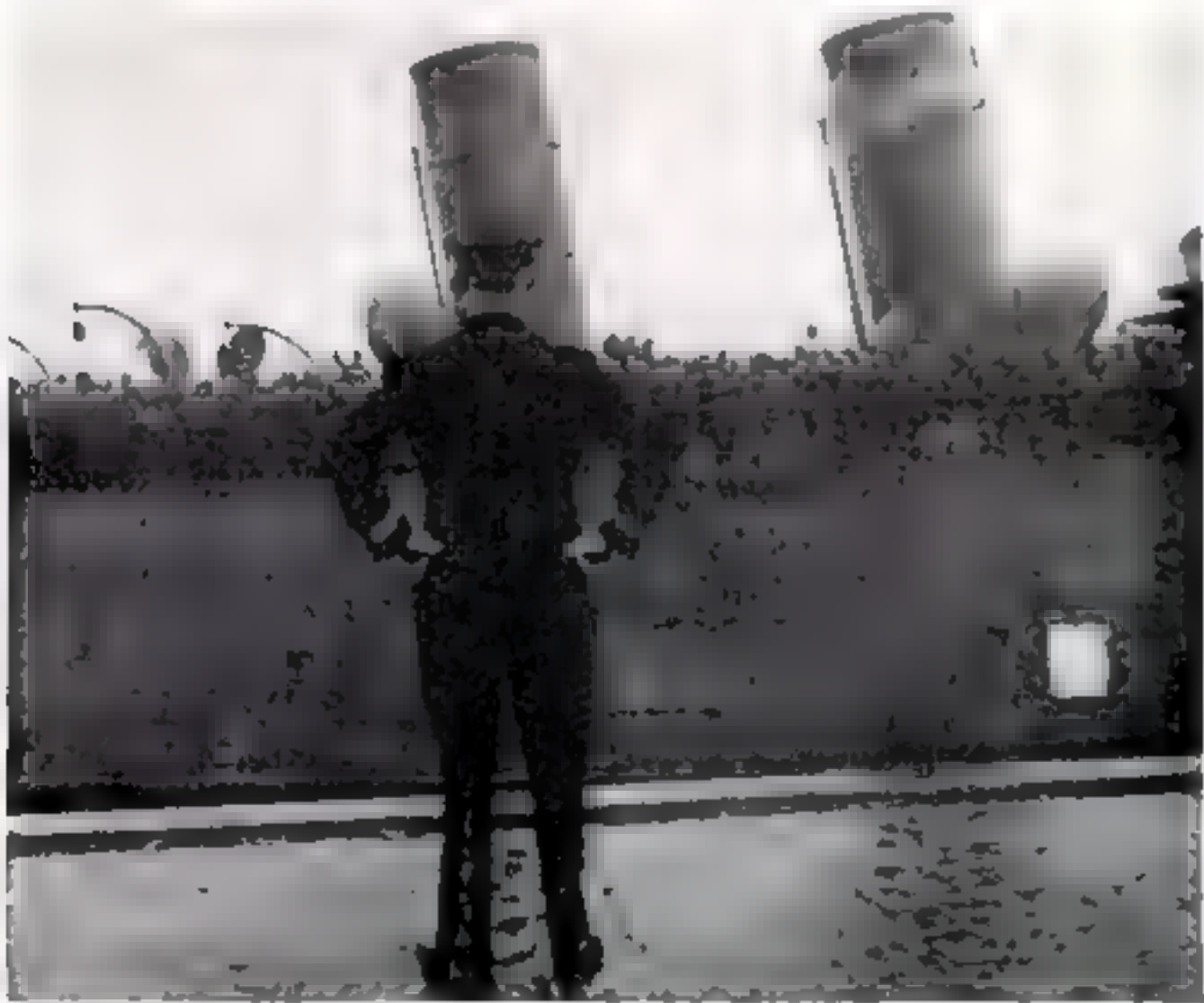
Stretching longer and more tenuously than such vital routes have ever stretched before, the shipping routes of the United Nations are controlled from such rooms as the one shown above. Located in a convoy port somewhere in Britain, this is where the joint boards of the U. S. Navy Liaison Office and the British Ministry of War Transport function. It is one of the wartime landmarks toward which the tired, tough little freighters of the United Nations ceaselessly slog.

Staffed by experienced sailors and traffic men, this

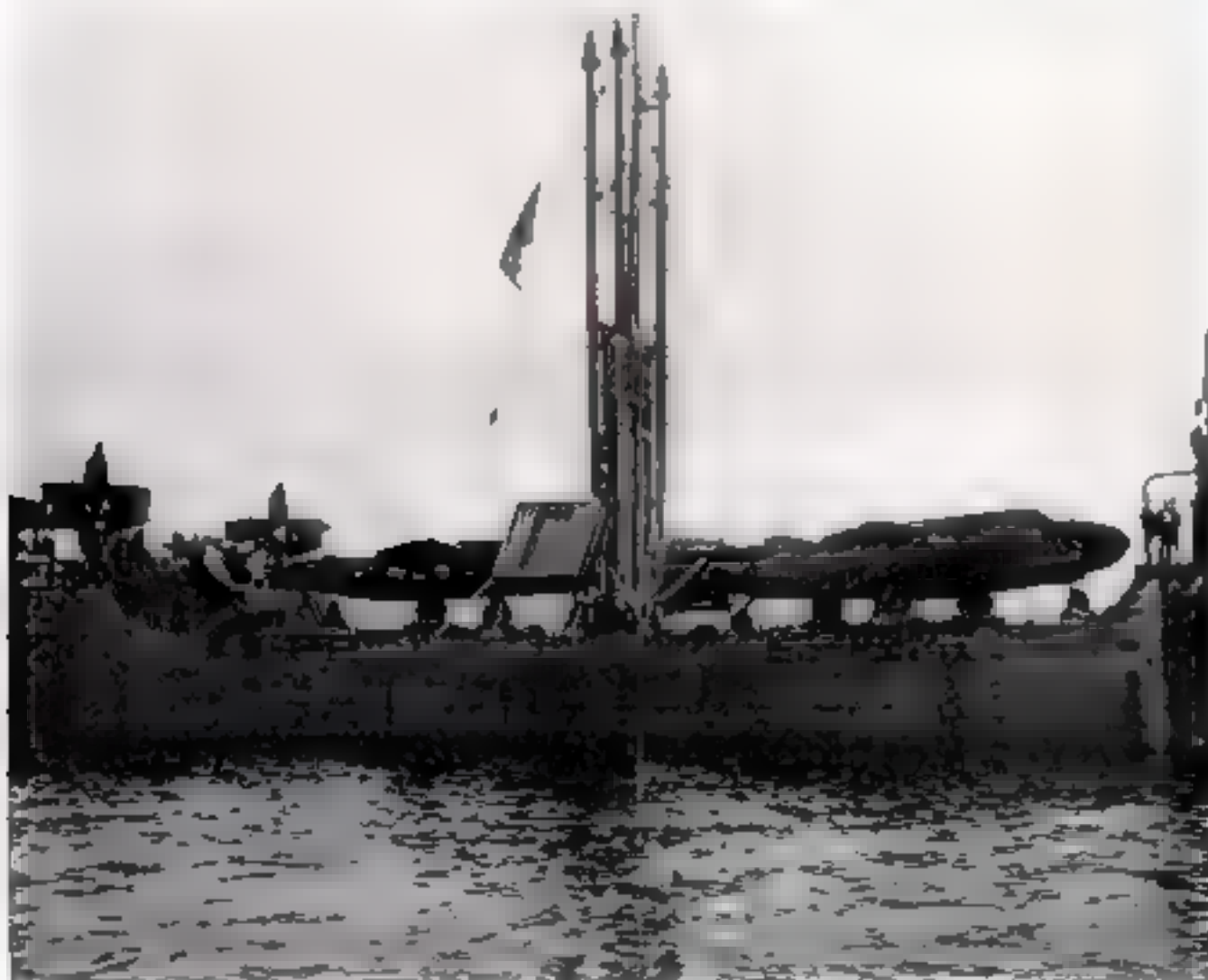
office plots routings of all United Nations shipping in the Eastern Hemisphere, plans the complex movements of convoys and troop transports. Here grizzled old skippers and young wireless operators are given last-minute code changes and new signals. Survivors of torpedoed ships (see pp. 107-108) and Navy youngsters who man the deck guns on our merchantmen are cared for and re-allocated. And, as much as possible, this office makes certain that the hard, gritty materials of war have a better than fighting chance to get through.



Commandant of USNLO is Lieut. Commander Charles R. Hensum, a down-Easter. From his high office window he looks over the anchorages where American ships lie.



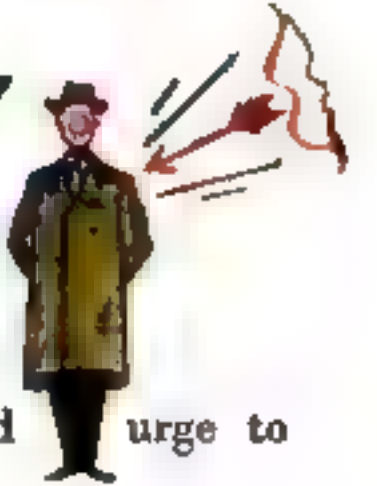
Troop landings are overseen by USNLO, which helps Army in this job. This lieutenant waits the arrival of "drifter" which ferries soldiers from transport to wharf.



U. S. airplanes for Russia—these are vaunted Douglas A-20 light bombers—sit aboard a U. S. freighter, waiting for the British to provide clearance and convoy.

CONTINUED ON NEXT PAGE

A wonderful thing for a man to know in December!



Regularly, come December, a man gets an odd, soft-hearted urge to tell people things.



He'd like to tell his Mother, back home, that the youngster whose stocking she used to fill remembers those Christmases of long ago -- and loves her for them.



Or he'd like to say "Merry Christmas" to somebody miles away: a marvelous girl—a business friend—a relative—or just somebody who's been nice to him.

It's worthwhile knowing that the simplest way to do *all* these things is to send flowers—by wire. Just phone or drop in to your F. T. D.* florist. Tell him what you want—and the finest, freshest flowers will be delivered when and where you want them.



If you've ever watched a woman's face light up when someone sent her flowers, you'll know that the *easiest* of all Christmas shopping is the wisest, too! Shop early—order flowers today!

For Christmas—"Say it with Flowers"—by wire!



*IMPORTANT: Only the nation's top florists are admitted to F. T. D. — the Florists' Telegraph Delivery Association. Both the shop that takes your order and the shop that delivers it are bonded to give you fine service and fine flowers. So, when you wire flowers, look for the F. T. D. emblem before you buy. It's your guarantee of satisfaction.

Copyright 1942. Florists' Telegraph Delivery Association

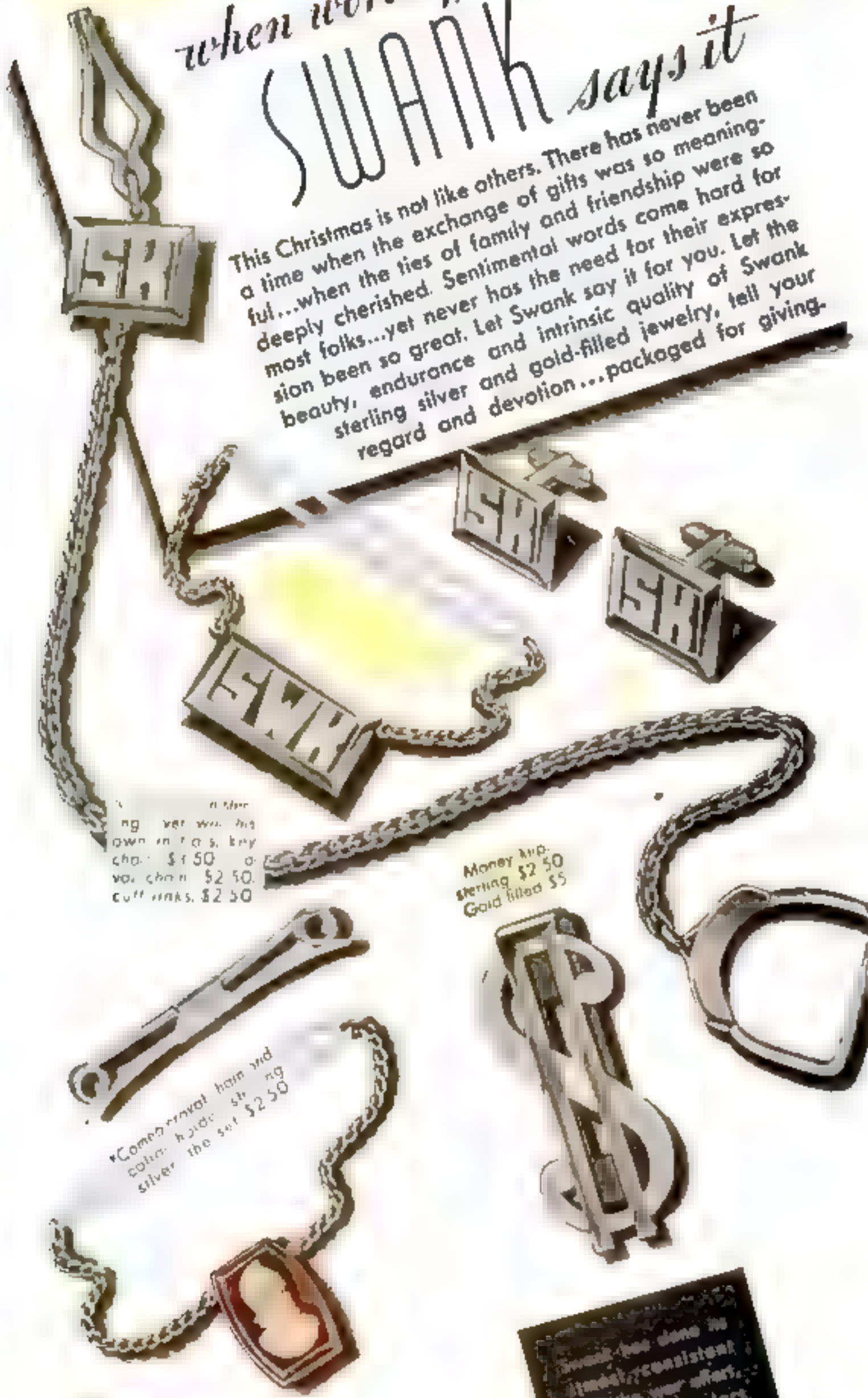
FLORISTS' TELEGRAPH DELIVERY ASSOCIATION
Detroit, Michigan, U. S. A.



Tie clip and collar holder, set \$8.50. In sterling.

when words fail...
SWANK says it

This Christmas is not like others. There has never been a time when the exchange of gifts was so meaningful...when the ties of family and friendship were so deeply cherished. Sentimental words come hard for most folks...yet never has the need for their expression been so great. Let Swank say it for you. Let the beauty, endurance and intrinsic quality of Swank sterling silver and gold-filled jewelry, tell your regard and devotion...packaged for giving.



Watch chain, sterling silver, \$1.50. Gold-filled, \$2.50. Cuff links, \$2.50.

Money clip, sterling \$2.50. Gold-filled \$5.

Collar holder, sterling silver, the set \$2.50.

Swank craftsmen are today applying their skilled hands and keen precision to the production of war materials. Swank has converted to war work as much of its facilities as are needed for that purpose. The rest are devoted to the manufacture of men's jewelry.

Swank has done its utmost, consistent with the war effort, to supply dealers with the items they need. However, if they are not available, you'll find many other equally attractive Swank designs for your selection at your favorite store.

OSIN LATED

WARDS TRAINED FOR CRAFTSMANSHIP WORK ALSO FOR

VICTORY

Convoy Port (continued)



At convoy conference, ships' masters get general instructions from Captain Crookes (center) who then hands each captain envelopes with specific directions for his ship.



Chief boarding officer, Lieut. William Bishop, goes up side of a U. S. freighter for routine inspection of crew, crew quarters, ship's provisions, general ship conditions.

This year it's Waterman's for Everyone!



■ It's no trick to select the proper gift *this* year. Right down your list, nearly everyone needs a really good pen. And, of course, that's Waterman's! Every Waterman's is built to stand the pace of a Speeded-Up America. Every Waterman's meets military needs with regulation top clips and service colors—meets civilian needs with streamline styling, hand-ground 14-Kt. Gold points—and other famous features. So make it a Waterman's Christmas. See these handsome Waterman's pens and sets at your dealer's now!



FOR ALL THE LADS
in the Command,
Waterman's gives them
the pen they need to take
orders. The Army Officer,
Navy Blue Marine or Jet Set.



FOR SISTER SUE
in the Command,
In comes to match her
spit and polish, \$7.
If she's a nurse, give her
Waterman's special
Nurses Set, only \$7.



FOR YOUNGSTERS
of 14 and over, Waterman's
gives them the pen they
need to take orders. Same
streamline styling, same military clip,
same Waterman's quality,
through and through.
The regular set, \$2.75
in this age, \$2.95

DON'T FORGET... GIVE WAR BONDS, TOO!



For the "ONE and ONLY" give
Waterman's 100 Year Set. Choice of
four jewel-like colors, and the pen is
guaranteed for 100 Years*. The Deluxe
Set shown in gift box is \$13.75. The pen
alone, \$10. Regular sets for "Him" or for
"Her" at \$12.50, or \$8.75 for the pen.

In the SERVICE Waterman's 100 Year
Sets are also packed in Army or Navy
leather kits—compact enough to go
anywhere! Military clips that meet ser-
vice requirements on both the Regular
(illustrated) and DeLuxe Sets. Four smart
colors, and 100 Year Guarantee*

*Life-time guarantee of the Waterman's 100 Year Set. The pen is guaranteed for 100 years. The set is guaranteed for 100 years.

Waterman's

L. E. WATERMAN CO., 35 BROADWAY, NEW YORK CITY • U.S.A.



Present it with Pride...



The finest tribute you can pay a man
who likes fine whiskey is to present him with

I. W. Harper Those who judge a whiskey by
its quality, invariably think I. W. Harper
costs much more than it does.

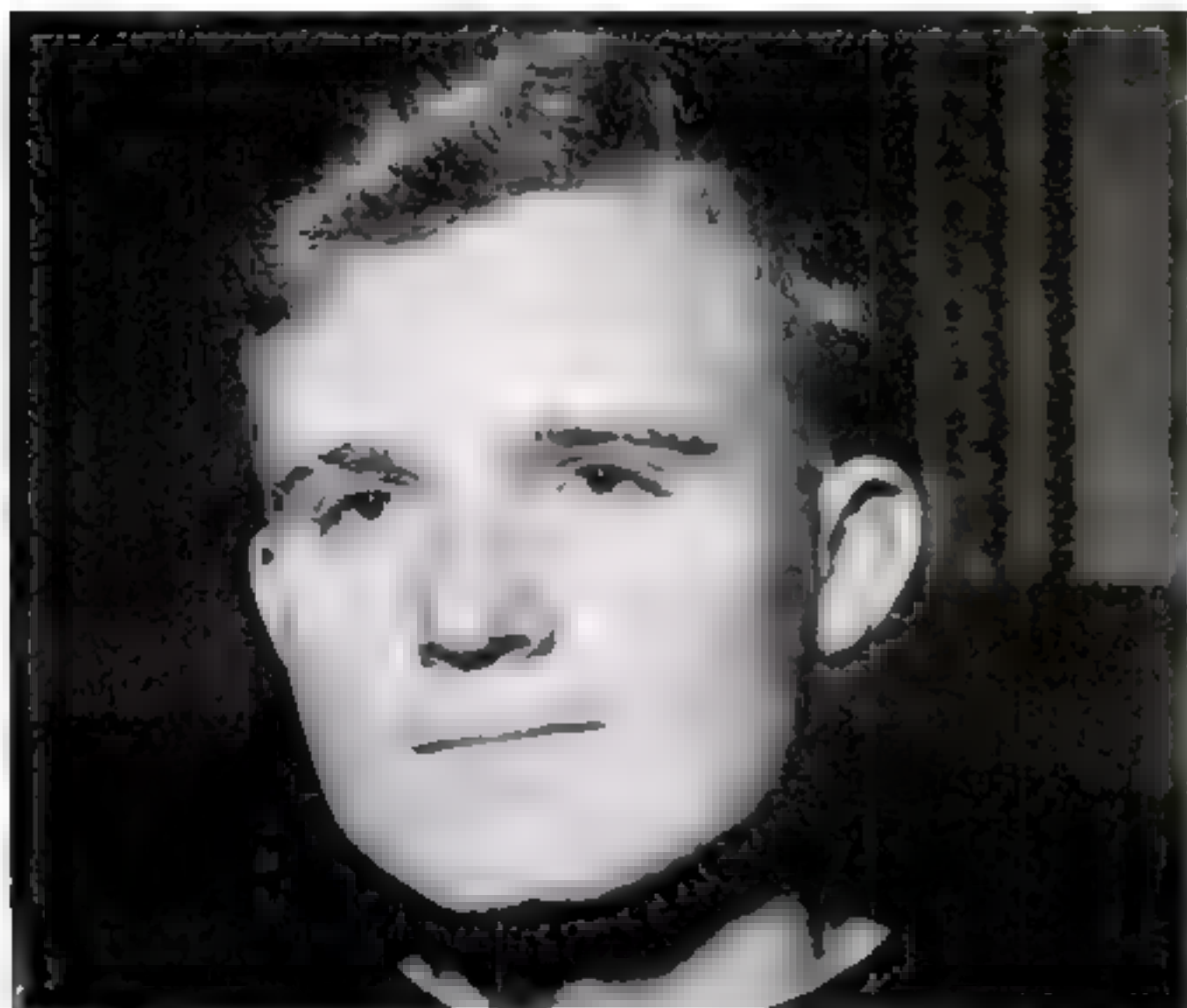
Drink it... with Pleasure!

I. W. HARPER
The Gold Medal Whiskey

Kentucky Straight Bourbon Whiskey, Bottled in Bond

100 Proof, Bernheim Distilling Co., Inc., Louisville, Ky.

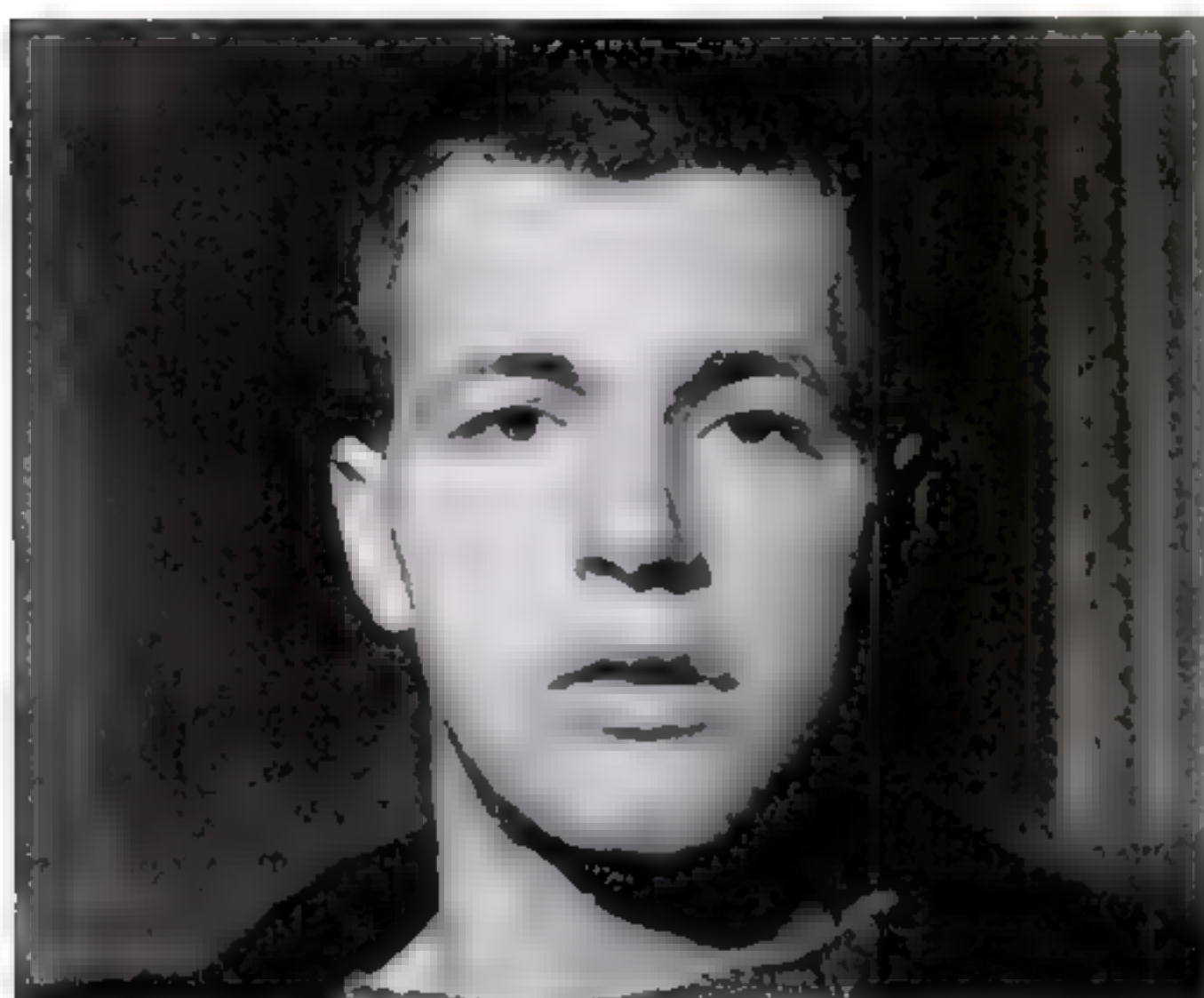




Seaman Martin Adams celebrated his 18th birthday aboard a convoy to Russia. His convoy was savagely attacked but most of the ships got through. Adams was below deck helping a wounded shipmate when his ship was hit by an aerial torpedo. He was blown clear of the ship by the explosion. He says the planes were like a swarm of bees.



Seaman Harry Schoenfelder, 17, was youngest member of the same convoy. When his ship was hit, the life-raft rigging was so ice-coated that it took ten precious minutes to launch the raft. Harry had to jump into the ice-cold water and swim to the raft. He was later picked up by the British and given blankets and chocolate bars.



Seaman Samuel Monk, 17 years old and 6 ft 3 in. tall, was on his first sea voyage when his ship was hit by two torpedoes. Everything happened so fast no rafts were launched. Monk lost consciousness in the water, came to aboard a rescue ship. He was so completely covered with oil his head had to be shaved so it could be scraped off.

CONTINUED ON NEXT PAGE



FILMO motion picture equipment has gone to war! It's on the front lines—and behind the lines! In re-enacting actual battles, it provides the key to better weapons and wiser tactics . . . in training men for their war jobs—teaching them “visually”—it trains them *better and faster*—because what they see in *action* on the screen, they *get*.

Bell & Howell craftsmanship made “what you see—you get” an honest slogan in peacetime . . . now, in time of war, that same precision craftsmanship is proving priceless.

America is out to win—and Bell & Howell motion picture equipment and sighting devices are vital Victory weapons—vital, because *what our fighting men see—they get!*

Bell & Howell Company, Chicago; New York; Hollywood; Washington, D. C.; London. Established 1907.



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MOTION PICTURE CAMERAS AND PROJECTORS

PRECISION-MADE BY

Bell and Howell

Get to know DOMINO



Good taste's the thing
that pleases
In Christmas gifts,
and thus,
By giving richer
Dominos,
You're giving
pleasure-plus!

TASTE counts more than anything else in a cigarette. Dominos are smooth, full-flavored . . . blended from choice imported and domestic tobaccos . . . vacuum-cleaned, firmly rolled, generously packed. For Christmas and for your own pleasure—get to know—Domino.

**Compare Domino with
any cigarette at any price!**



"A Richer, Smoother Smoke"

**NO GAS...NO TIRES
...BUT THERE'S STILL
PLENTY OF**



Arrow

**BLACKBERRY
FLAVORED
BRANDY**



"It's America's Finest"

ASK FOR *Arrow* WHENEVER YOU WANT
QUALITY CORDIALS OF ANY KIND

ARROW DISTILLERIES, INC., DETROIT, MICH.

Convoy Port (continued)



Ensign Charles Gibbs commanded a twelve-man gun crew on a convoy ship en route to Russia. His ship was in outside column of the convoy, was attacked from both sides by planes. Gibbs counted 37 of them before his ship was sunk. His gun crew hit at least three of the attackers, saw them streaking for the horizon belching smoke and flame.



Ensign Roy Kirby's ship went down a few minutes before Gibbs's. His ship was hit by three torpedoes, sank in three minutes. Kirby was thrown a line from another ship in the convoy, wrapped it around his wrist eight times, and then passed out. He was pulled aboard the rescue ship after being in the numbing 28° water for 40 minutes.



Seaman Chester Jack Pogodzinski of Milwaukee was also on his first voyage when his ship was torpedoed by a submarine. Chester got caught under a capsized lifeboat and his inflated lifejacket prevented him from diving under the gunwale and surfacing. A shipmate without lifejacket dove under the boat for him and pulled him out.



OLD SPICE Shave Mug—9 months' average supply of shave soap. Wood-veneered chest, \$1.00. Refill, 45c.



FRIENDSHIP'S GARDEN Remembrance Box—Toilet Water and Atomizer, Body Sachet, Toilet Soap, 2 Boudoir Sachet Tablets. \$3.00.



OLD SPICE Mirror Box—Large bottle of Toilet Water with Atomizer, Powder Sachet, Talcum, Toilet Soap. \$4.50.



OLD SPICE Shave Soap, Talcum, in sturdy pottery containers. Wood-veneered chest. \$1.75.

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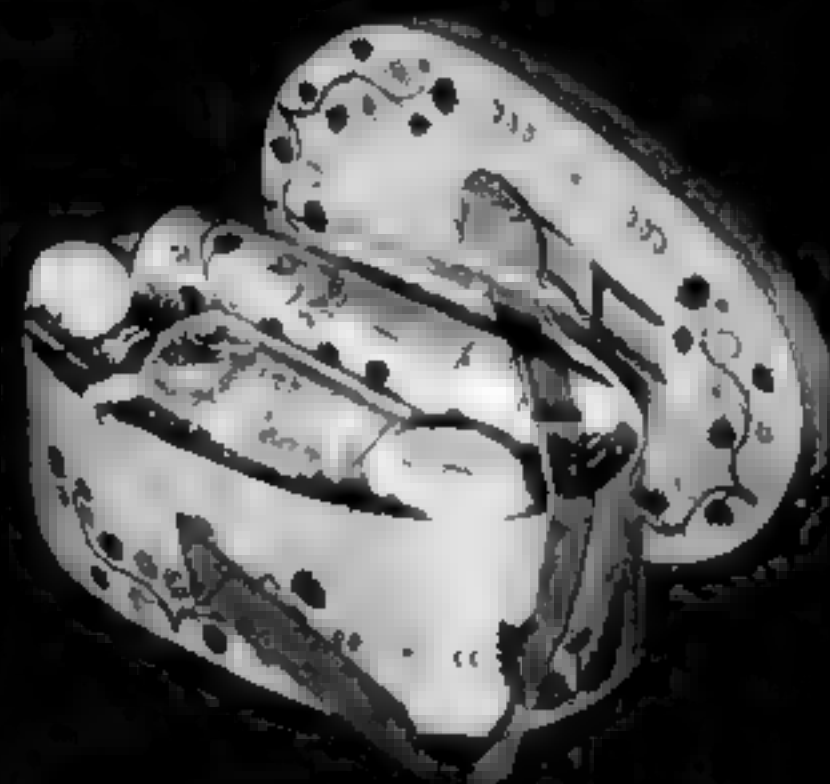
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Wings over the WORLD



"That Their Sufferings Will Not Have Been in Vain"

by **THE LEADER of FREE ITALY,**
CARLO SFORZA
(*former Italian Foreign Minister*)

What kind of post-war world are we fighting to create?

Pan American has presented answers to this question by such leaders of thought as Dr. John Dewey, Dr. Hu Shih and the Archbishop of Canterbury. Here Count Carlo Sforza, former Italian Foreign Minister and now leader of the FREE ITALIANS throughout the world, tells you what he sees—for the future.

THESE ARE TIMES when certain problems, once faced, are rapidly solved. During two thousand years, philosophers asserted that slavery was a "law of nature"; and yet more was done towards its abolition in the half-century around the American Civil War than in the whole preceding Christian era.

That is why I declared, in a recent speech at Montevideo, that the first duty of a free Italy will be "ardent support of an organized world with no more place for the anarchical independence of the nationalistic States." I was not surprised when this statement met with cheers from Italians who had assembled to meet me from all parts of Latin America.

What is true for Italy, which has bitterly learned the folly of aggressive wars, is equally true for America. No American should forget that in the coming world even

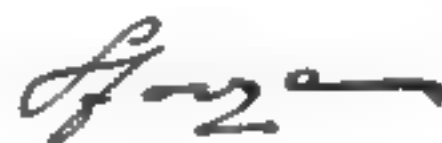
the Ocean will be no more than a big river; and that, if only for that, the era of isolation is gone forever. Those who cannot see this are like certain *dannati* in Dante's *Inferno*—people walking eternally with their heads turned backwards.

The highest duty of the present generation of Americans is to fight in order to make impossible a repetition of the Nazi-Fascist plot against peace. This American duty was foreseen by the Declaration of Independence when it stated in 1776: "... that whenever any form of Government becomes destructive [of life, liberty, and the pursuit of happiness] it is the right of the People to alter or to abolish it." In Jefferson's mind, "right" meant "duty"!

War always means suffering. But our sufferings in this "toughest of all wars" will not have been in vain since we are beginning to learn:—

- (a) INDIVIDUALLY: that Liberty is a right which must be won anew by the common people in each generation;
- (b) NATIONALLY: that the previous complete independence of Nations must cease. They must submit to a superior international law which will make it impossible for peaceful nations to be again at the mercy of adventurers. Never again must it be possible for a Nation, having first destroyed Freedom at home, to prepare satanic aggression behind its closed frontiers.

We must resolve that frontiers will no longer mean what they meant up until 1939. I foresee a Peace Conference at which we might agree to draw in frontiers very lightly—with a pencil and not in indelible ink.



THE DAY THAT VICTORY is earned by the United Nations, aviation must be ready to demonstrate that it is a great constructive, as well as a great destructive, force

Air transport travel costs will, we believe, be brought within the reach of common men everywhere. Two weeks' vacation in Italy? Certainly, since Rome will be only 16 hours from New York by air. Round-the-world air cruises in two weeks? Nothing will prevent them when Victory comes except the barriers of habit and disbelief.

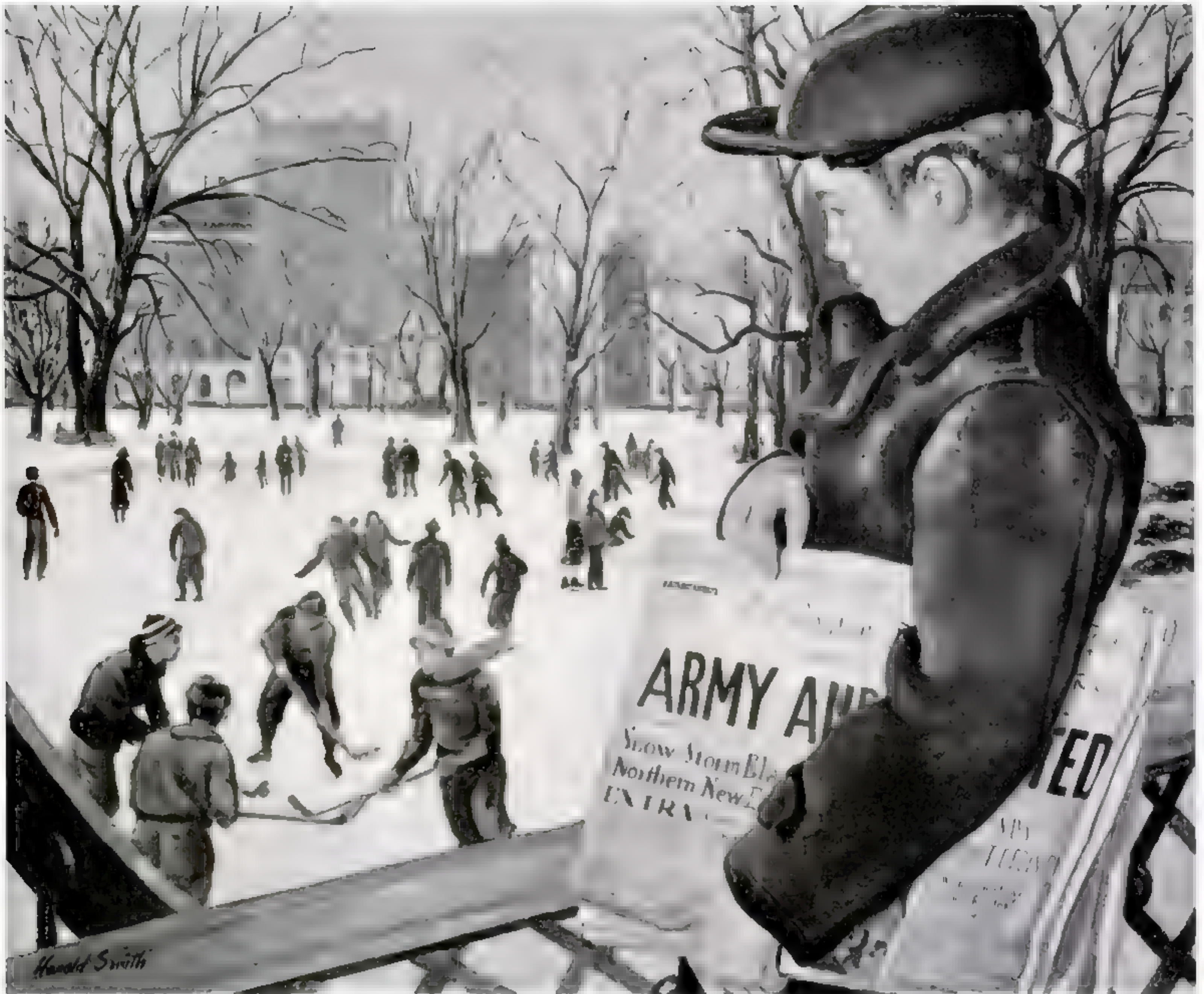
When peace comes, Pan American looks forward to playing its part, through technological research as well as with trained personnel and flight equipment, in providing widespread distribution of the world's culture, science and goods.

Today, of course, everything that we can offer—120 million miles of over-ocean flight experience, trained personnel and service to over 60 foreign countries and colonies—is at work for the government and military services of the United States.

PAN AMERICAN WORLD AIRWAYS SYSTEM



PAN AMERICAN CLIPPERS



His father didn't plan it that way

IT DIDN'T HURT Bill Henry to sell papers. But even now, twenty years later, certain memories still hurt . . . the memory of his mother's struggle to make ends meet . . . the memory of her valiantly making last year's dress do, so that a growing boy could have a Sunday suit . . . the memory of the brave smile that couldn't quite mask the pain in her eyes, as she watched him start out with his papers while other boys were going skating, or swimming, or playing ball on the corner sand lot.

* * *

TODAY BILL has a boy of his own — a son he is as proud of as his Dad was of him . . . a boy for whom he has wonderful plans. But Bill knows from experience what can happen to the most ambitious plans. He has pledged the security of *his* wife and *his* boy

in the way open to every man with a job and a family. The way his father meant to take some day — but somehow didn't. The modern, practical way of life insurance.

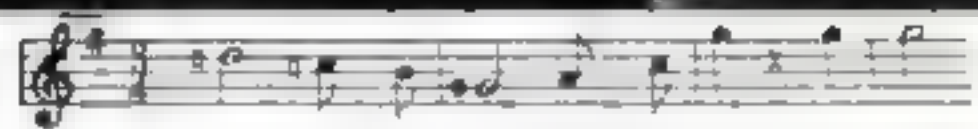
* * *

BILL HENRY'S life insurance plan fits his situation perfectly, yet it might not suit yours at all. The John Hancock agent who planned his protection took into consideration the fact that Mrs. Henry was married right out of school and has no business training — that there would be social security benefits for her and the boy if anything happens to Bill . . . Like every John Hancock representative, he has been trained to consider these and many other factors. He knows, because of his company's experience with six million policyholders, that no two families are alike

. . . that every client needs the specialized service which he is equipped to give . . .

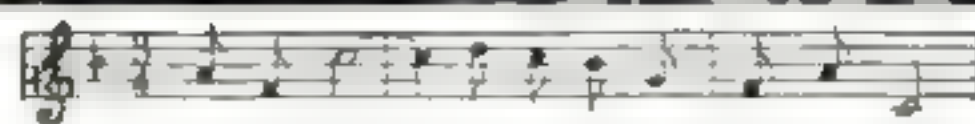
When the John Hancock man calls on you, remember that he is prepared to give his complete and conscientious attention to your special problem. Take him into your confidence. It will place you under no obligation whatever.

John Hancock
LIFE INSURANCE COMPANY
OF BOSTON, MASSACHUSETTS
Guy W. Cox, President



Ha, what a night, what a feast, what a sight!

Big waltz scene in *Rosalinda* is danced to show's hit tune, the *Fledermaus* waltz (left). Then the hero sings the touching *Brother Mine* (right) to heroine (in background clench).



Brother mine, Brother mine and Sister thine

ROSALINDA

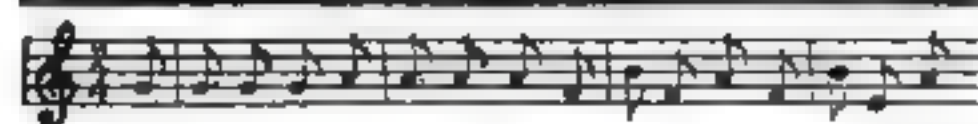
Strauss music makes new version of
"Fledermaus" a melodic Broadway hit

In the 89 years since Johann Strauss wrote *Die Fledermaus* (The Bat), this Viennese operetta has been presented by countless hams, amateurs and croaky-voiced professionals. But despite these decades of abuse, the operetta has been kept alive and fresh by its wonderful waltz songs. It still remains just about the prettiest operetta ever written.

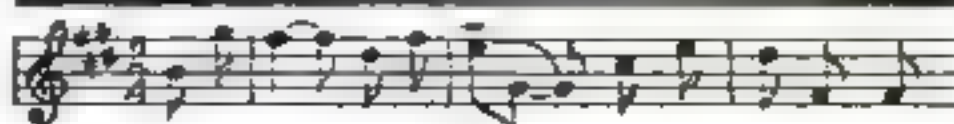
Strauss's lovely music lights up the latest production of *Die Fledermaus* which, as *Rosalinda*, is being given on Broadway by the New Opera Co. The com-

pany, formed to encourage American singers, gives the work the production it deserves. *Rosalinda* has first-class voices. Its gay and senseless plot is decked out in colorful clothes and settings. The orchestra plays as if it learned three-quarter tempo in Vienna.

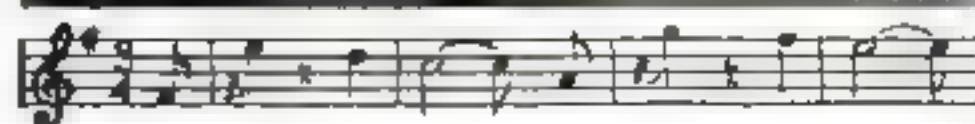
There is not a single dull song in the show. Here are printed six of the hit tunes. U. S. radio listeners will recognize them for they are studded through the score of the overture to *Die Fledermaus*, one of the most frequently played concert pieces on radio.



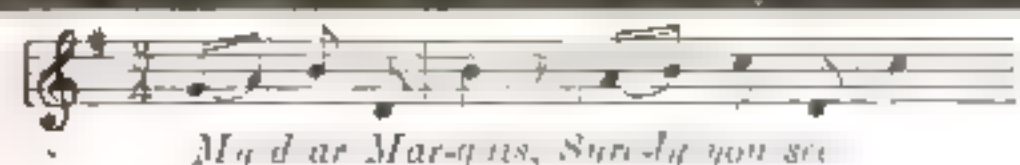
Oh Jiminy, Oh Jiminy, how sad it is to part like this!
Sprightly farewell song. *Oh Jiminy, How Sad To Part Like This*—is sung by Gabriel, his wife Rosalinda, and the maid.



What a sight, what de-light is the ball
Song in praise of wienerschmitzel ushers in Gabriel's dinner, is sung by a quartet including two prancing waiters.



Who else could be so close to me
With a blandishing tune, heroine tries to wiggle out of compromising spot involving a jailer (left) and a lover (right).



"My dear Marquis," sings the maid in filling the scene as she tries to prove to the Prince, at whose party everyone manages to show up, that she is a lady instead of a lady's

maid. Virginia MacWatters, who mostly strikes over all but steals the show from Dorothy Sarnoff, winner of last year's Metropolitan Opera radio audition, who plays the heroine.

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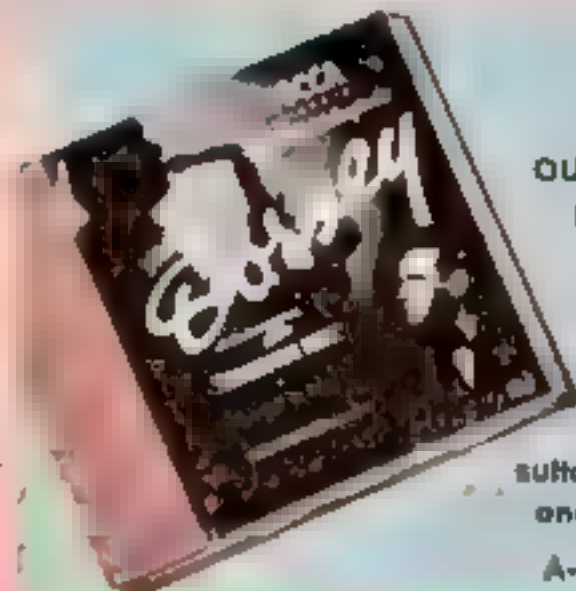
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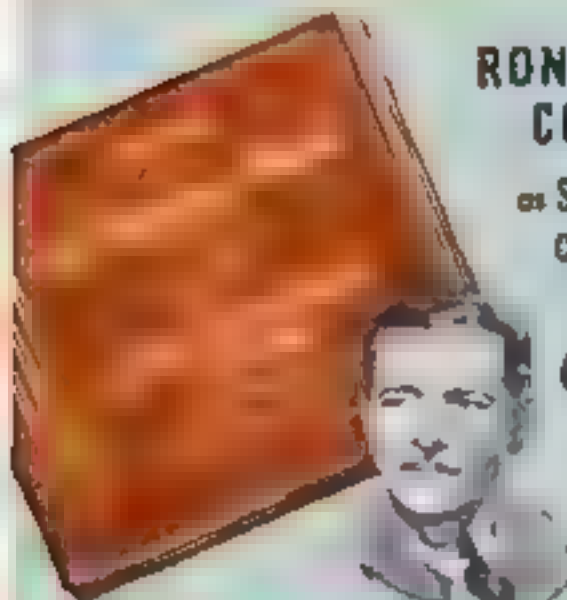
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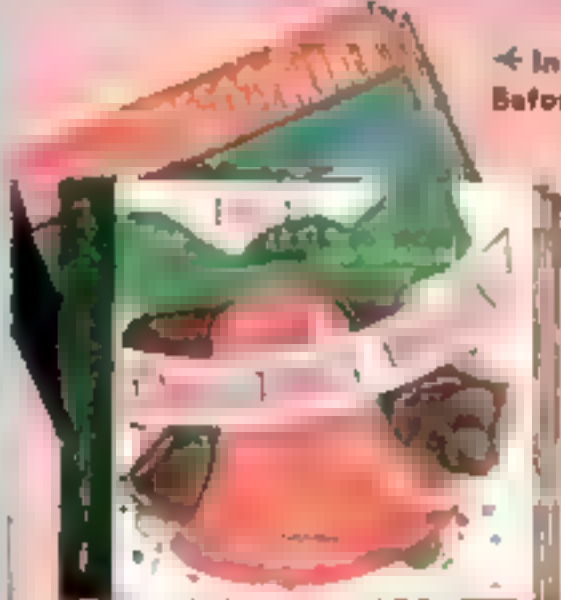


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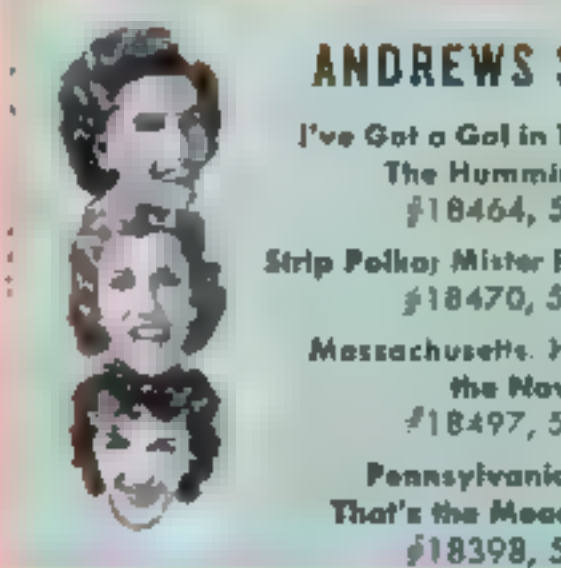
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"Rosalinda" (continued)



Victorian strip-tease is most hilarious scene in the modernized version of *Rosalinda*. Changing for dinner, she commences to remove her daytime clothes with maid's aid.



Petticoat after petticoat is removed as *Rosalinda*, Brooklyn-born Dorothy Sarnoff, imitates the modern-day striptease. The maid is played by Virginia MacWatters.



Culminating her act with the removal of a corset, *Rosalinda* stands "undressed" before the audience. Breaking all strippers' records, *Rosalinda* takes off six petticoats.

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THE TERRACE faces east on *Sharia Kamel* (Camel Street), Cairo's main street from the railway station to the royal Abou Palace. Here the noon crowd gathers. The Nubian wait-

ers are in long white robes. Notice the old-fashioned lamps and porch roof railing. This side main entrance where King Theodore Roosevelt and most of Europe's royals have entered.



THE LETTERS of the name on facade have fallen apart. Notice two Egyptian flags, one roosting bird and the "S.H." monogram, which looks like a dollar sign.

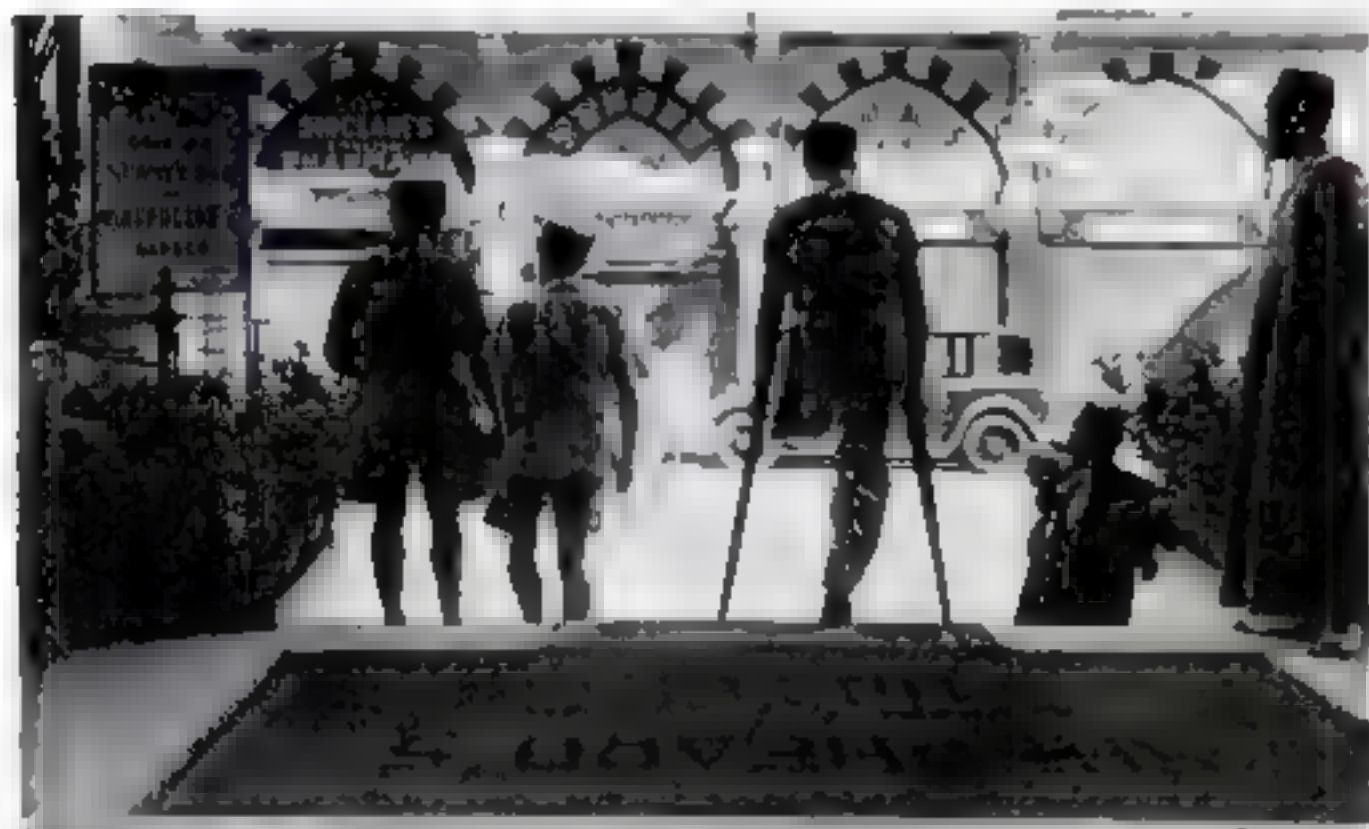
SHEPHEARD'S HOTEL

BRITISH BASE IN CAIRO

The well-to-do British officers in Egypt, the ambassadors with letters plenipotentiary, the Americans with fat purses, the glamor girls of the Middle East, the Russian commissars, the famous war correspondents and the civilian tank experts, all stay at just one hotel in Cairo: Shepherd's. When the war in the desert went badly, a favorite criticism back home was that it was being fought from the terrace of Shepherd's. The high officers did not stay there, because it was too conspicuous, but nearly everyone else did.

The first impression of Shepherd's is that for so renowned a hotel it looks dowdy and down-at-heel. The second is that behind this artful effect of musty Victorianism is concealed a massive outlay of money and attention to detail. The food is as good as anything at Paris' Ritz, or Berlin's Adlon or Rome's Grand. The service, by silent slippered Egyptians and the Swiss elite of hotel experts, is unmatched. Solid money has gone into the Oriental rugs and tapestries, the silver service, the imported grouse, the Khartoum ducks, the vast wine cellars.

Against the last fantastic century of Egypt's history, Shepherd's has stood where it is today just over 100 years. It was founded as a caravan tavern in 1841 by one Samuel Shepherd before Cairo had a railway or the Suez Canal had been built. It has remained a neutral island of Swiss hotel keeping through the conquest of Egypt, and World Wars I and II. Here came Kitchener from Khartoum, Stanley after he had found Livingstone and Theodore Roosevelt who told the British, "Rule or get out." When Marshal Erwin Rommel's Afrika Korps army was victoriously nearing Cairo, it was said that Rommel had already picked out his room at Shepherd's. LIFE Photographer Robert Landry, who took these pictures, got it instead.



WOUNDED from the desert fighting are usual at Shepherd's these days. Here three Free Frenchmen go down the front steps, past the customary dragoman guides.



TOURIST SHOPS line the front of Shepherd's, south of the terrace entrance, including railroad and airline offices, antique shop, etc. Beyond is Cook's tourist office which still does a rushing business in wartime. The hotel has a 450-ft. frontage, a maximum of six stories, contains 400 rooms and 180 baths.



THE AMERICAN BAR (above) is one of two bars open from 12:30 to 2:30 p. m. and from 6:30 to 10:30 p. m. British usually drink Scotch and plain water, colonials gin, lime juice and water, Americans Bourbon or rye and soda, everybody beer. Below is dining room where nightly dance is held after October.





NIGHTLY DANCE in garden behind hotel is mostly in uniform. Saturday is the big night. If the man is in uniform, civilian woman usually wears an evening dress. In white at

left is a nurse; center, a South African WAAS. In foreground are two very high-priced bottles of Rhine wine. The band is part female. Guests include Egyptians and Balkan refugees.



CLOSE-UP OF THE TERRACE at night. We had to be taken with a telephoto lens from across the street, because people have grown touchy about the Battle of Egypt's



THIS BEDROOM at Shepherd's costs \$2 a day, has no bath. Notice venerable iron bed, Victorian settee and wall brackets and unclassifiable mirror stand.

The doors at Shepherd's are never locked. Because of peculiar numbering, it is almost impossible to find one's room, but a porter is always available to steer you to it.



THE PORTERS are picked from Nubian and Sudanese warrior stock and can carry enormous loads. The bellhops never carry anything. These men are theoretically not supposed to be tipped, but usually are.



being "fought" from Shephard's terrace." Among sprinkling of civilians here might well be a spy or two. Cairo's favorite belly dancer, Hekmat, has lately been arrested as a spy. The

time is just after 12:30 p.m., for drinks are being served, peasant dishes are on the tables and music is being dispensed by the trio in the rear. A soldier at right still wears a bandage on

his ear. Most of the officers who get to have a drink at Shephard's richly deserve it after a term in the Western Desert. Most of them do not arrive here until late in the afternoon.



AMERICAN AIRMEN wait on the coping outside Shephard's for transportation to the desert. In foreground, one talks to a Maori soldier. Beyond are the Shephard porters on their bench in front of terrace.



CHECKING OUT, British officers load their luggage, including a badminton net, on army car with circle on hood. The turbaned porter awaits his tip and talks to

the fezzed taxi starter. The moment of the tip is deferred as one officer lights his cigaret and another supervises packing of their gear. Note extra gas cans on mudguards.

SHEPHEARD'S HOTEL (continued)



HEAVY EXOTICISM lies over the lobby and foyer running from the terrace entrance (above, rear) to the garden entrance (below, rear). The great granite pillars, copied from Karnak in Phara, are in raised relief and carvings. Above is the octagonal Moorish hall, full of stained glass, Persian rugs and lantern lampshades. This takes the overflow from the terrace



GENERAL MANAGER is Charles Muller, Swiss, successor to late Charles Bachler, another Swiss, who also managed company's ten other hotels in Egypt and Palestine.



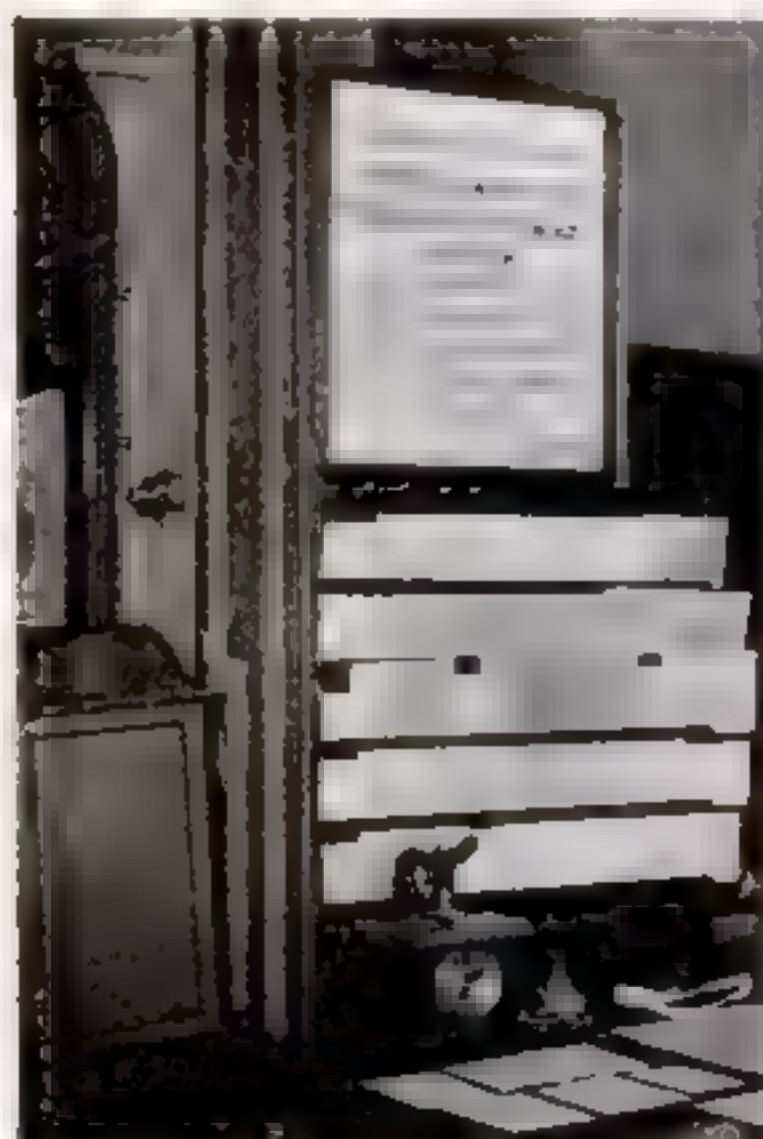
HOUSEKEEPER is a Belgian, widow of another Shepherd's employee. She has been on this job over 40 years, is having one of her old hands, was married in the hotel long ago.



BARTENDER is Joe Ellinsky Shulman, of Khartoum, Paris, London and the Hotel New Yorker. He speaks seven languages, has been called "most popular man in Middle East."



ASSISTANT BARTENDER is the American barman Hassan Ahmed Awadallah, who has been on this job for 3 years, mixed drinks for Alfonso XIII and Edward VIII.



MESSAGE BOARD holds unclaimed cables and notes. Two have been up for seven months. Often addressees have already been killed. Sign warns guests against dragging



CASHIER'S DESK hears expensive complaints about bills, which are often wrong. Notice that checks are not accepted, for nearly everybody here is a transient without credit.



THE STOREROOM at Shephard's holds a history of the Middle East Officers going off to the wars in 1882, in 1915 and in 1942 checked their excess luggage here. The charge is 4s a month, 8s 8d a decade. Men who fought the Turks in 1916 have unclaimed baggage here and there will be many unclaimed bags in Shephard's storeroom after this war. Nothing here is

ever opened or sold. The check numbers are firmly pasted on luggage and Shephard's keeps it until doomsday. The J. K. Shephard at the left is no relation to the founder, whose family has long since faded out of the hotel's management. Among these stores are to be found the essential props of English culture, a great number of cricket bats and volumes of English poetry.

AIRPOWER

AN ORTHODOX AIRMAN'S VIEW OF WHAT IT IS AND THE ROLE IT CAN PLAY IN WINNING THE WAR

Within the next few months the military leaders of this nation must make a great decision. They must decide what role airpower is to play in America's war. Even now this issue is probably being debated within the military high command, pitting the advocates of landpower against the advocates of airpower. The decision has not been made. Until it is made, the grand strategy of the war must remain in doubt. Until it is made, the Allied attack cannot be carried, in full force, onto the continent of Europe. Until it is made, America cannot take the offensive on a great scale.

On the one side are the orthodox Army and Navy commanders. They regard the airplane as one arm of a combat force—a new and powerful arm but still an arm. They believe that enemy territory must be captured and held by surface forces, employing the airplane as a tactical weapon within the zone of surface operations. Earlier in the war most of the land generals assigned the airplane no further function. Now more of them are seeing it also as an independent striking force to bomb industrial targets behind enemy lines. But they still think of the bomber as "softening up" the enemy for a decisive blow by landpower. Lieutenant General Ben Lear expressed their point of view when he said: "This war will be victoriously concluded only after American soldiers, tired, dirty and bloody have broken our enemies' lines."

On the other side are the advocates of airpower. They believe that the airplane is more than an arm of the ground force, more than a weapon to "soften up" the enemy. They believe that airpower can deal the decisive blow. So far, the case for airpower has been presented to the public chiefly by such lay writers as Seversky and Ziff. They have done an admirable job of arousing public interest. But they sometimes go too far, and because they are not air officers they do not speak for the Air Forces as the generals speak for the Army.

There is a good reason why civilians have been the chief public advocates of airpower. The air officers have not been free to say what they believe in public. Because they are officers of the U. S. Army they cannot challenge in public the ideas and statements of their superiors. Billy Mitchell tried that in 1925 and was court-martialed. But the air officers have a very clear idea of the role of airpower.

WHAT AIRPOWER IS

First let us notice what airpower is *not*. It is not attack planes designed to help a ground army advance. It is not dive bombers. It is not short-range patrol planes. Nor is it a mass of planes designed to work with the Fleet.

This article was prepared in collaboration with a well-known authority on airpower. It presents an orthodox airman's view of the role airpower can play in winning the war. This is neither the air extremist's view nor the conservative Army view.

While the article looks forward on airpower, the accompanying pictures look backward to the first flight of the Wright brothers at Kitty Hawk, N. C. in 1903 and record the early progress of the U. S. Army and Navy in using and developing aviation as a military weapon.

Such planes are auxiliary aviation, vitally necessary, and must be developed to the highest degree of effectiveness. But they are *not* airpower.

The air officers tried for 20 years to get the Army and Navy to understand this. Every time they pleaded for an independent organization in which to develop airpower, the Army and Navy said that the air officers were trying to take their airplanes away

from them. The air officers never wanted the Army's or Navy's planes. They wanted only the opportunity to build something quite new—the organization and instruments of airpower. And since they were controlled by the older services they could not build airpower as long as neither of those services believed in airpower.

Airpower is the strategical weapon needed to strike the enemy directly through the air, without the aid of surface arms. Its chief instrument is the long-range bomber. Airpower consists of these great bombers and everything required for them to do their work. It means the bases from which these planes operate. It means the personnel to operate and service the planes and to maintain the bases. It means fighter aircraft to protect the bases and, under some circumstances, the bombers. It means a great system of supply, with fleets of transport planes. Above all it means the huge and complex organization needed to run the machinery of airpower.

With this picture it becomes apparent that airpower is something new in the U. S. We didn't start building airpower after the Wright brothers made their first flight at Kitty Hawk. We didn't start after Billy Mitchell sank a battleship with bombs in 1921. We started building airpower only when the first Flying Fortress took the air successfully, and that was in 1935. Even after that we didn't go far, for the following year the General Staff refused to approve the air officers' program for developing the Fortress and ordered them to build, instead, some "light, responsive, less-expensive planes with a range of not more than 300 miles."

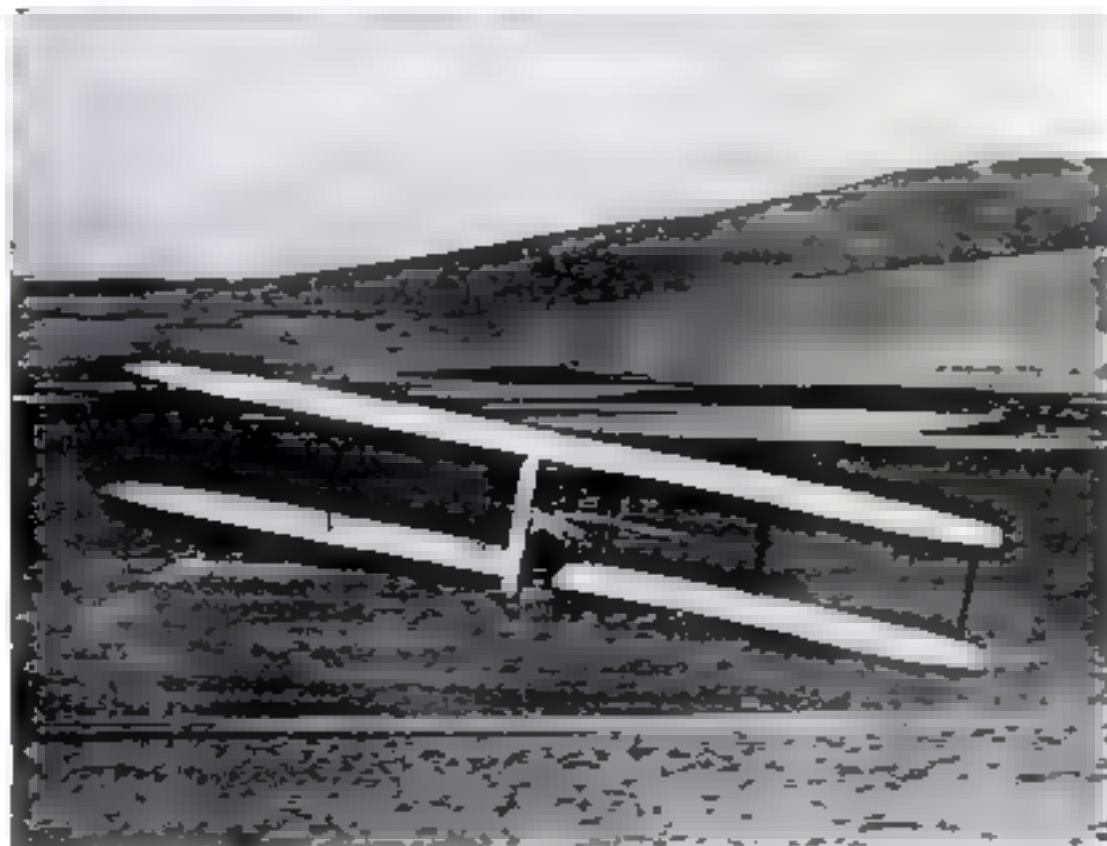
When Hitler marched into Poland the sum total of our airpower was 19 poorly developed Fortresses with a proportionate number of trained crews. When the Japs hit us at Pearl Harbor, we had only a few dozen Fortresses scattered between Hawaii and the Philippines. A couple of dozen others, which we had sent to England, had all been lost or discarded because they were hopelessly undergunned. Only within the past eleven months have the heavy bombers started to roll out of the factories in quantity.

So, in laying our plans for 1943 and 1944, we must bear in mind that

CONTINUED ON PAGE 126



WRIGHT PLANE IS CARTED INTO FORT MYER, VA. FOR FIRST ARMY PURCHASE TEST IN 1908. IT FLEW ONCE, THEN CRASHED, KILLING LIEUT. SELFRIEDGE (SEE OPPOSITE PAGE)



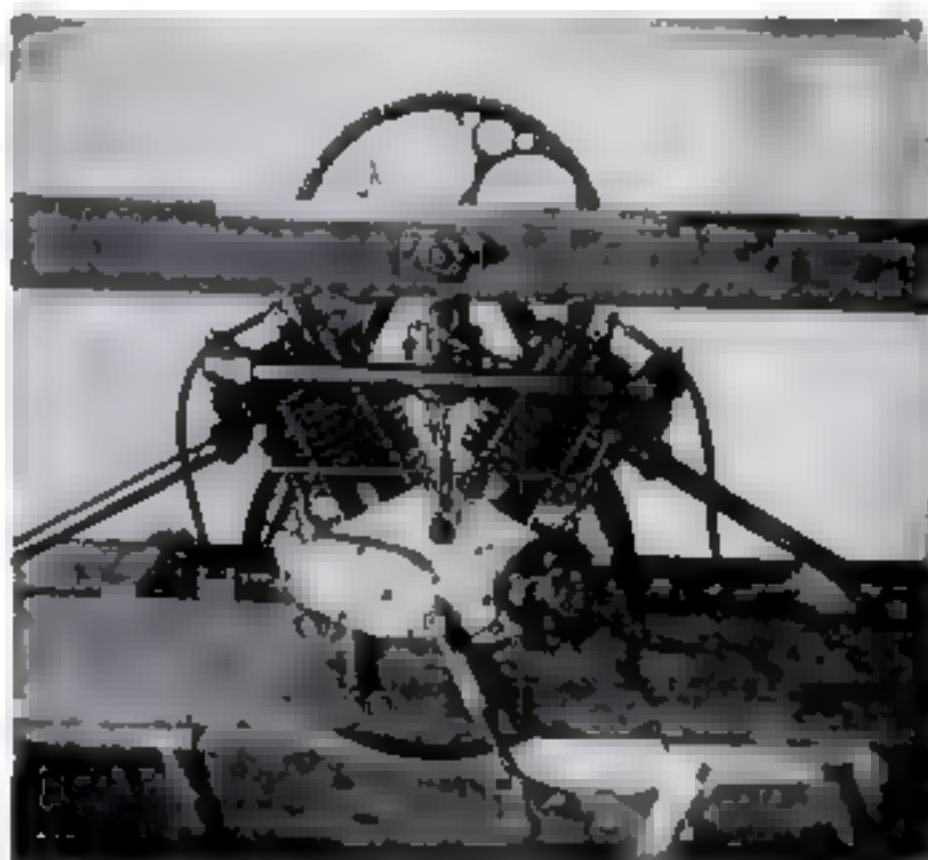
Glider practice at Kitty Hawk, N. C. in 1901 made pilots of Orville and Wilbur Wright. It taught them which wing surfaces flew best and gave them experience in steering and balancing a plane.



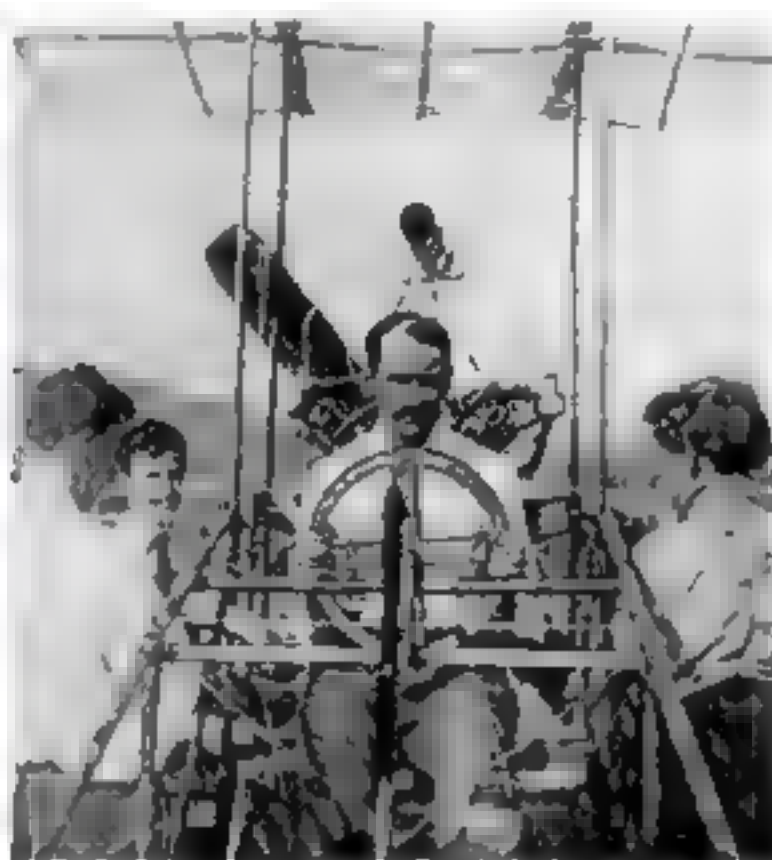
The world's first airplane flight occurred on Dec. 17, 1903. Orville Wright lay flat on wing. Wilbur ran alongside steadying wing tip. The flight covered 120 ft. in twelve seconds, attained 10-ft. altitude.



Frequent finale to the Wright brothers' repeated gliding experiments was a spectacular upset like this, with Orville left dangling in mid-air.



Engine building brought Motorcyclist Glenn Curtiss into aviation in 1904. Capt. Thomas Baldwin bought this lightweight, air-cooled Curtiss motor for blimp.



Glenn Curtiss demonstrates the "June Bug," his first plane, built with Aerial Experiment Association in Hammondsport, N. Y., 1908.



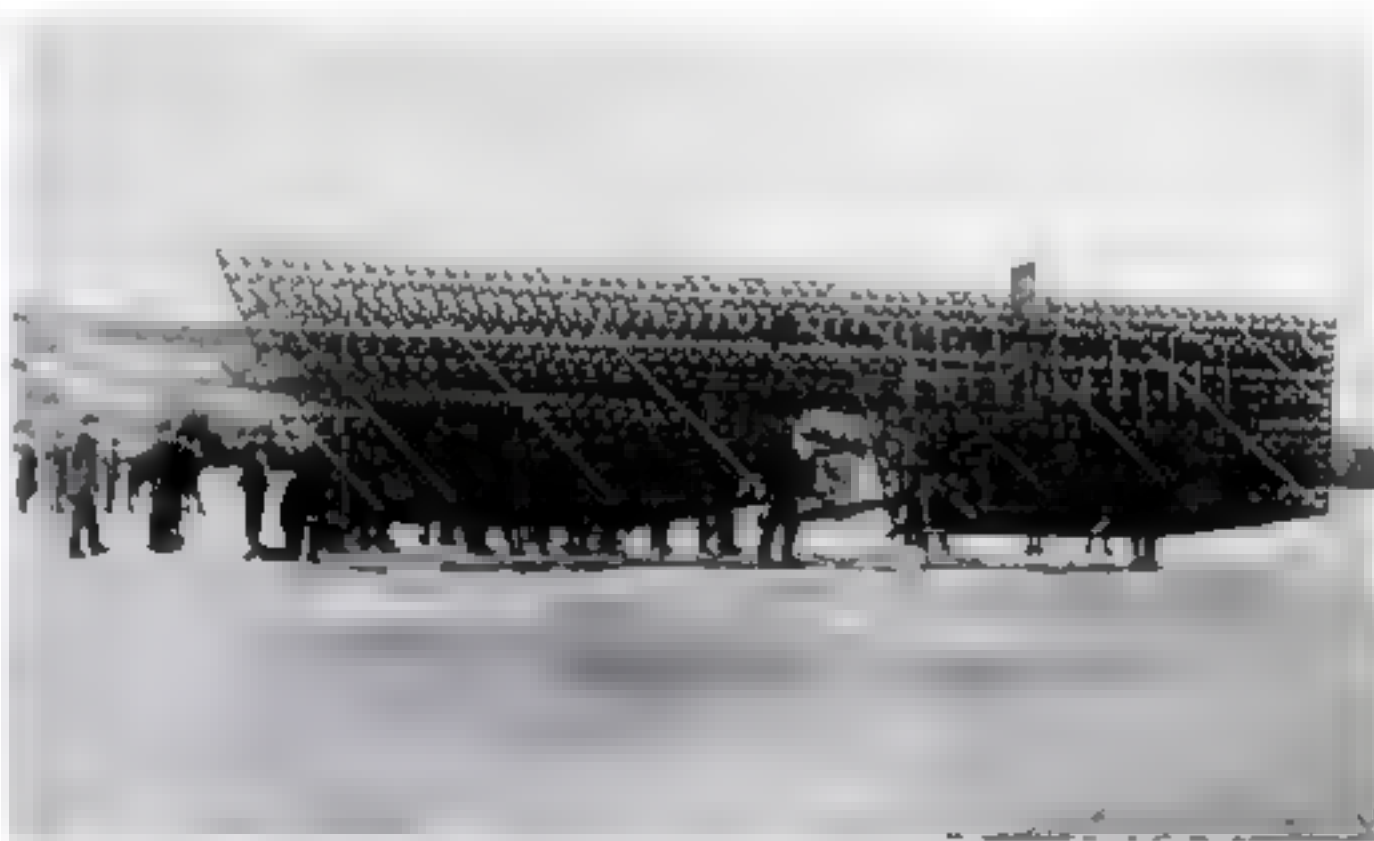
June Bug had first landing wheels and lateral-control wing tips. It won first U. S. flying trophy public flight in 1908.



Flying in Reims, France, Curtiss defeated Bleriot and won Gordon Bennett international speed cup, 1909.



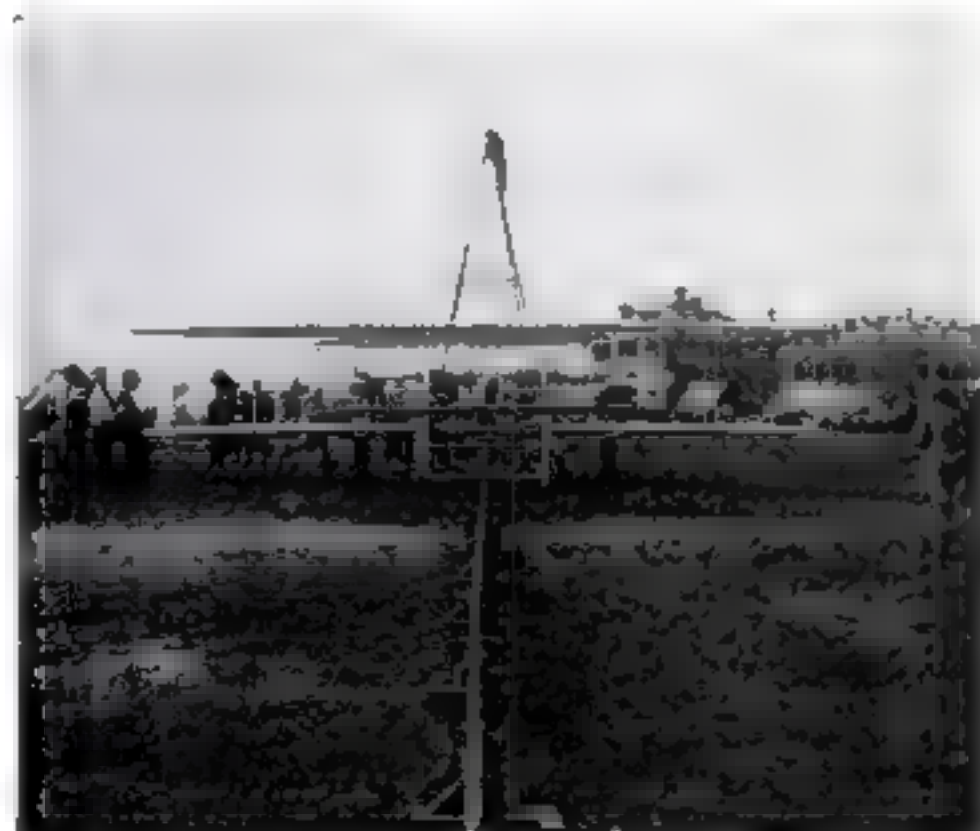
Lieut. Selfridge was first Army airplane student (1907). With him is Alexander Graham Bell.



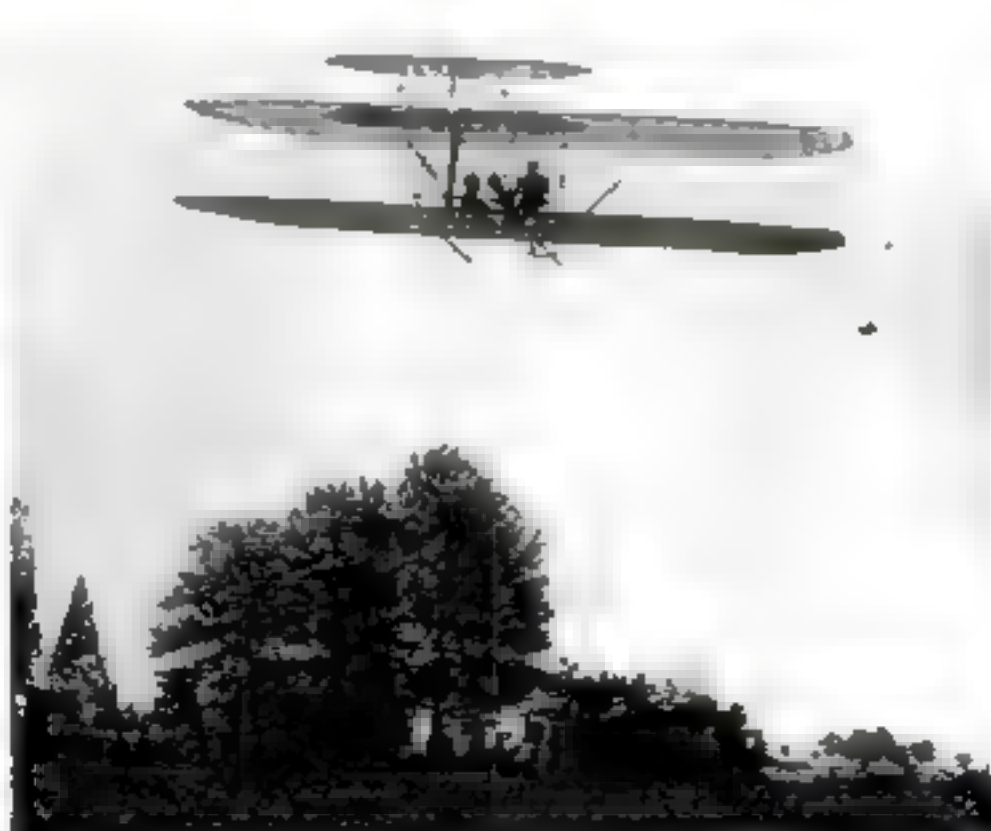
Aerodynamic mysteries were explored from every angle. Here is Dr. Bell's tetrahedral man-carrying kite at Hammondsport in 1908. It was Dr. Bell who assembled and financed early aviation group that included Glenn Curtiss and Lieut. Selfridge.



First fatal accident in the Army occurred at Fort Myer, Va. in 1908 when this plane (opposite page) crashed, killing Selfridge, injuring Orville Wright. Wreck delayed Army flying for a year.



Second Wright plane offered for Army acceptance at Fort Myer in July 1909 is adjusted on launching device. Lieut. Benjamin Foulois (right) was on the judges' committee.



Wright plane takes off and flies over the Fort Myer parade ground. Later Orville, with Lieutenant Frank P. Lahm as his passenger, fulfilled the Army flight duration requirement.



For \$30,000 Army bought Wright plane as its first. It could fly with two passengers at 41 m. p. h. for more than an hour. Here the plane is inspected by Lieutenant Lahm and Orville Wright.

AIRPOWER (continued)

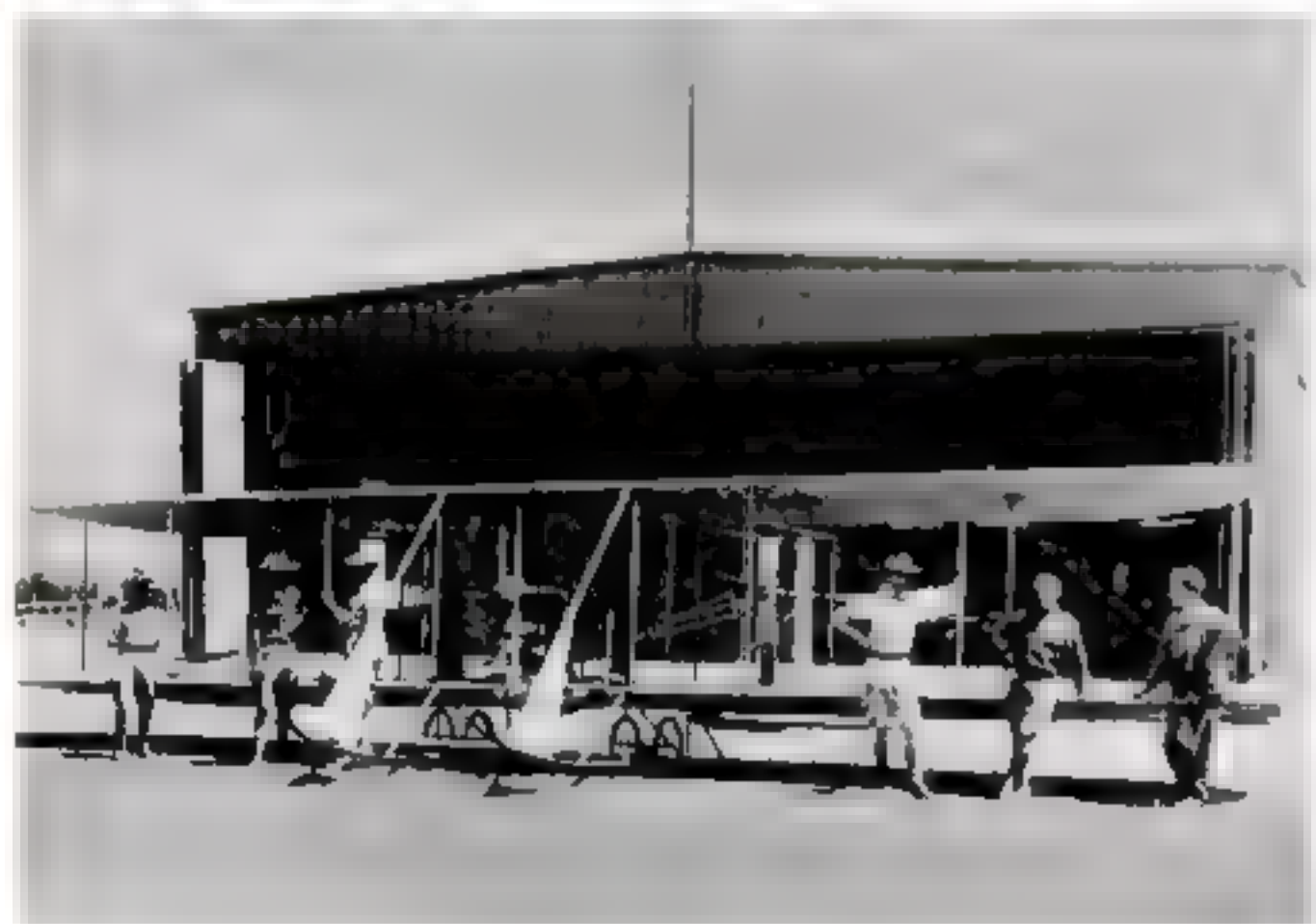
American airpower is a one-year-old infant, still vexed with organizational problems. We are not concerned here with the role that airpower *might* have played, if our Government had followed the advice of Billy Mitchell and the other air officers during the last 20 years. Neither are we concerned with what airpower may be able to do five or ten years from now. We want to know what it can do this year and the year after to deal a decisive blow. In 1943 our armed effort must, of necessity, be a half-air, half-surface affair while we work to build the instruments and organization of airpower. We must proceed according to a strategy which we can implement with the means available.

WHAT AIRPOWER CAN DO

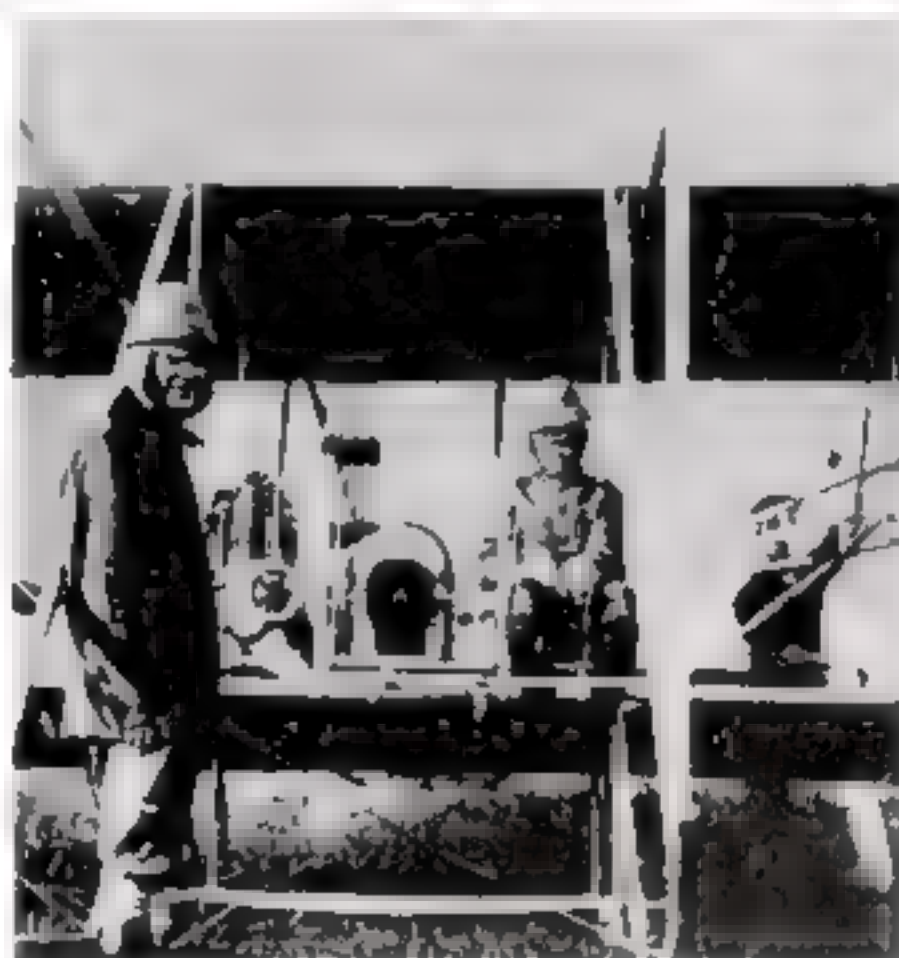
Airpower aims at knocking out the industrial basis of the enemy's war machine. A modern army is utterly dependent on the steady flow of war material—machines, weapons, ammunition, fuel—from the factories of the home base. We know from our own experience in gearing industry for war how the lack of a few parts can keep a tank or an airplane out of commission. Airpower can stop the flow of material by destroying the factories.

Concentration and volume are the watchwords. We must set a schedule for reducing all the crucial centers of production, and we must carry it out relent-

U. S. ARMY



U. S. Army plane No. 1 and Lieut. Foulis (second from the right) went to Texas in 1910. Foulis was told to "teach himself to fly." He did. But it cost him \$300, besides the Army's \$250 allotment, to mend his oft-crashed plane and self.



Crash helmets were stylish when Lieut. "Hap" Arnold and Thomas Milling took their flight instruction at the Wrights' school near Dayton, Ohio in 1911.



"Military aviators" at North Island, 1913: Lieut. (now Maj. Gen.) Brereton (left, rear) and Lieut. (now Lieut. Col.) Goodier (right).



The first Army bomb was dropped by Lieut. M. S. Crusey near San Francisco in 1912 from an early Wright pusher piloted by Philip Parmelee. By 1914, 50-pounders were being used and a simple bombsight was developed.



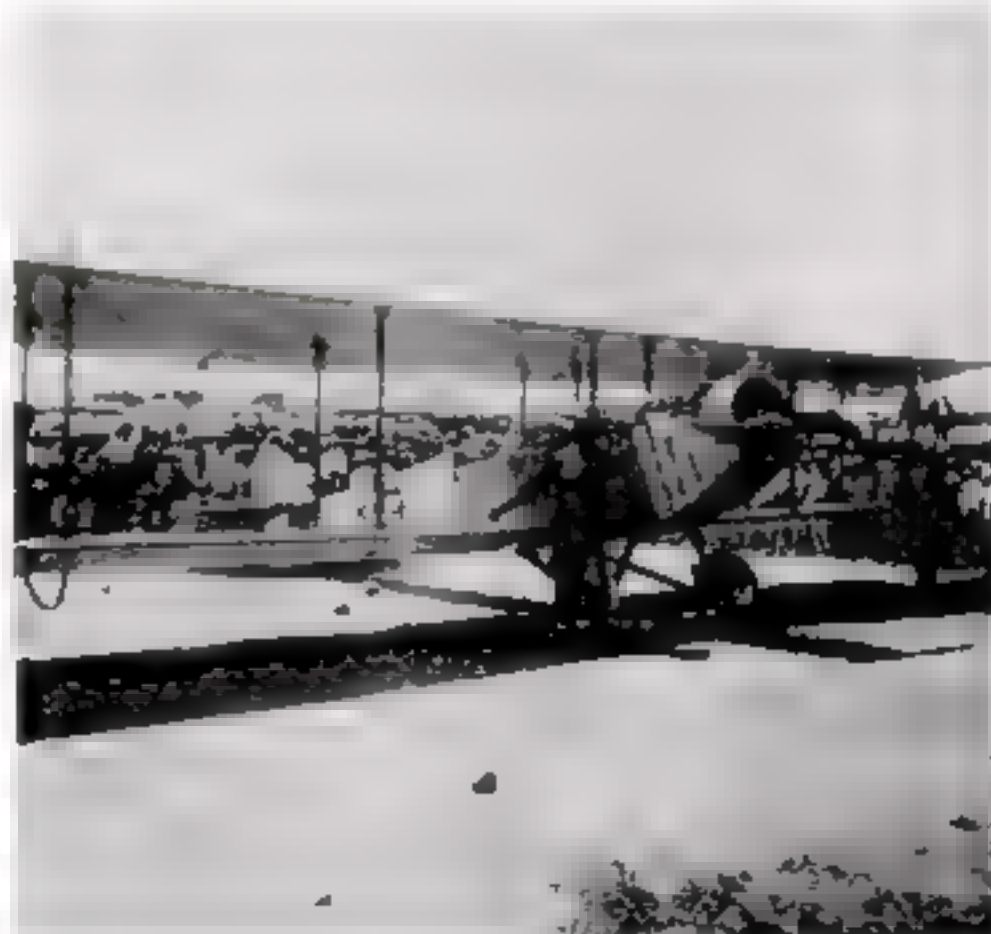
Aerial machine gun of 1912 was held in the lap of Lieut. (later Col.) Charles Chandler. Pilot was Lieut. (later Col.) Roy Kirtland.



Early Army wireless plane was flown at Fort Riley, Kan. in 1912 by Lieut. Arnold (right), now Chief of Army Air Forces. Lieut. Follett Bradley operates bulky wireless (left).



Airplanes at war. Captain Foulis led first Aero Squadron in the punitive expedition to Mexico, 1916. Even as observation planes, these models proved to be impractical. All washed out in five weeks.



Lieut. Dargue in Chihuahua City (1916) kept enemy Mexican photographer posing him beside plane to keep the mob from violence. General Dargue was killed flying a year ago.



Curtiss Jennies, with "reliable" OX engines, spelled World War I to the many pilots who trained in them. By end of the war, U. S. had produced 8,000 JN-4's.

lessly. The cumulative effect is very important. If we destroy a few factories the enemy can shift production to others and make hasty repairs. For this reason sporadic bombing, such as the R. A. F. carried out at first, may be nearly useless. But if we keep up a steady pounding, with adequate volume, we can reduce the whole industrial system to chaos. The effect will not be immediately apparent, as in a clash of surface arms. The destruction of the enemy's sources of supply does not begin to pinch until he has consumed the war materials that he has already on wheels and in his depots. According to Air Force doctrine, the effect should begin to reveal itself in about 90 days. When it starts, it is as certain in its consequences as death itself.

It is sometimes said: "If Germany could not knock out England by air, how can we expect to knock out Germany by air?" That is a fair question. The answer is that we can hit Germany with *ten times* the destructive power that Germany dumped on England. And instead of striking blindly at whole cities we can knock out the specific industrial targets that will paralyze Germany's war machine.

The Luftwaffe's attack on England, which seemed so terrible at the time, was barely a start at the full use of airpower. The worst Nazi raids were on Birmingham, Coventry and London. During two nights the Germans dropped 500 tons of bombs on Birmingham; during two other nights they dropped 400

CONTINUED ON NEXT PAGE



DeHavillands of British design were built in the U. S. to fight in France. The pilots called them "Flaming Cothns" because they burned so fast when hit by enemy bullets.



War Ace Rickenbacker was officially credited with bagging 25 planes. In center he leans against French Spad pursuit plane, showing his "hat-in-the-ring" insignia.



Colonel "Billy" Mitchell piloted this two-seater Spad observation plane for a French gunnery officer (rear). Toward the end of the war he became commander of the U. S. Air Service in France.



Mitchell tested air bombing by sinking German battleship *Ostfriesland* with 2,000-lb. bombs in 1921 public demonstration. Above: his pilots hit laser target with phosphorus bombs.



Airpower was proved, claimed Mitchell, by continued success of his bombers against battleships. In 1923 the U. S. S. *Virginia* was sunk by 2,100-lb. bombs in 26 min.



High-altitude flying was born in 1919 when new turbosupercharger was installed on nose of a LePere biplane. With it Major Schroeder (right) broke world record, flying to 38,180 ft.



Round-the-world flight by Army pilots made the headlines in summer of 1924. Of four Douglas planes that started, only one, the "Chicago," completed the circuit.



First "dawn-to-dusk" flight, from the Atlantic to the Pacific Coast, was made in 1924 by Lieutenant Russell Maughan flying a special Curtiss-Hawk pursuit. Flying time for the 2,540 miles was 27 hours, 52 minutes.



Mitchell was court-martialed by a board of generals in 1925 for impolitic defense of airpower. Found guilty, he resigned from the Army, became a martyr.

AIR POWER (continued)

tons on Coventry. These were concentrated raids. London, which took the heaviest continuous pasting, received 250 tons on the worst night. Yet the damage the Luftwaffe wrought came perilously close to knocking Britain out.

Let us compare this with the R. A. F.'s "thousand-plane" raid on Cologne last May. In that raid the R. A. F. dropped 3,000 tons of bombs, equal to the total tonnage dropped by the Luftwaffe on Britain in the *heaviest month* of the blitz.

The R. A. F. does not at present have the strength to maintain such raids on a regular schedule. But by next spring American airpower will be able to send 1,000-plane raids over Germany every two or three days. With each plane car-

rying three tons of bombs, we can deliver 3,000 tons of explosives on each raid. And that is only the start.

There is one other great difference between our projected air attack on Germany and Japan and the blitz on England. After the first weeks of the blitz the Luftwaffe gave up its costly attempt to bomb England by daylight and stuck to night raids. That is also the method of the R. A. F. in its raids on Germany. But the American Army Air Forces is designed to operate regularly by daylight. Its Fortress planes, with their higher speed, higher altitude and much heavier armament, are already proving their ability to bomb by daylight without suffering undue losses. Night bombers can carry out only area



Famous fledglings at Coney Island, 1911 (l. to r.) 'Hap' Arnold, Grover Loening, first Army aeronautical engineer, Lieut. T. G. Elyson, first Navy pilot; and Lieut. Milling.



Lieut. John H. Towers learned to fly a Curtiss pusher in 1911; today as a vice admiral he commands the U. S. naval air forces in the Pacific.



Demonstration seaplane flight to a cruiser in San Diego harbor in 1911 convinced the Navy that Curtiss "hydros" were practical. The plane was hoisted aboard while Curtiss visited, then lowered for flight back to land.



First take-off from ship was in 1910 when Eugene Ely, wearing an inner tube for a "Mac West," flew Curtiss pusher from U. S. S. *Birmingham*. Above: Ely flies his plane from a cruiser.



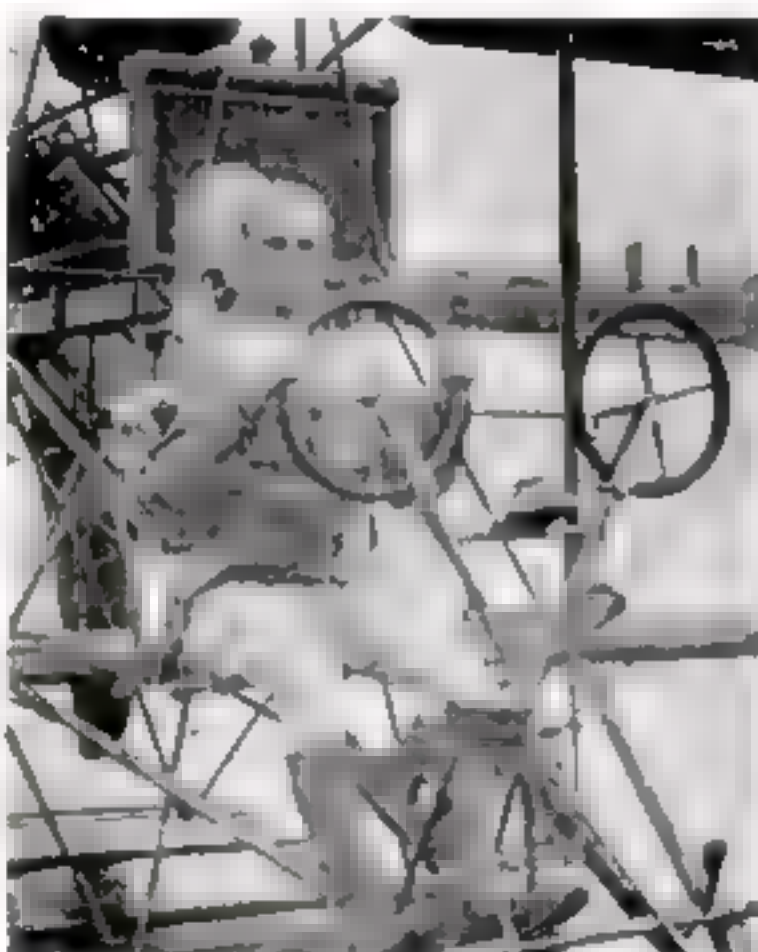
First landing aboard ship was in 1911 on the *Pennsylvania* in San Francisco harbor. Note the sandbags and the cables used for arresting gear. They succeeded in stopping Ely's Curtiss plane in 30 ft.



A 125-ft. platform, which was built on stern of U. S. S. *Pennsylvania* for Ely's 1911 test, was forerunner of today's flight deck on aircraft carriers.



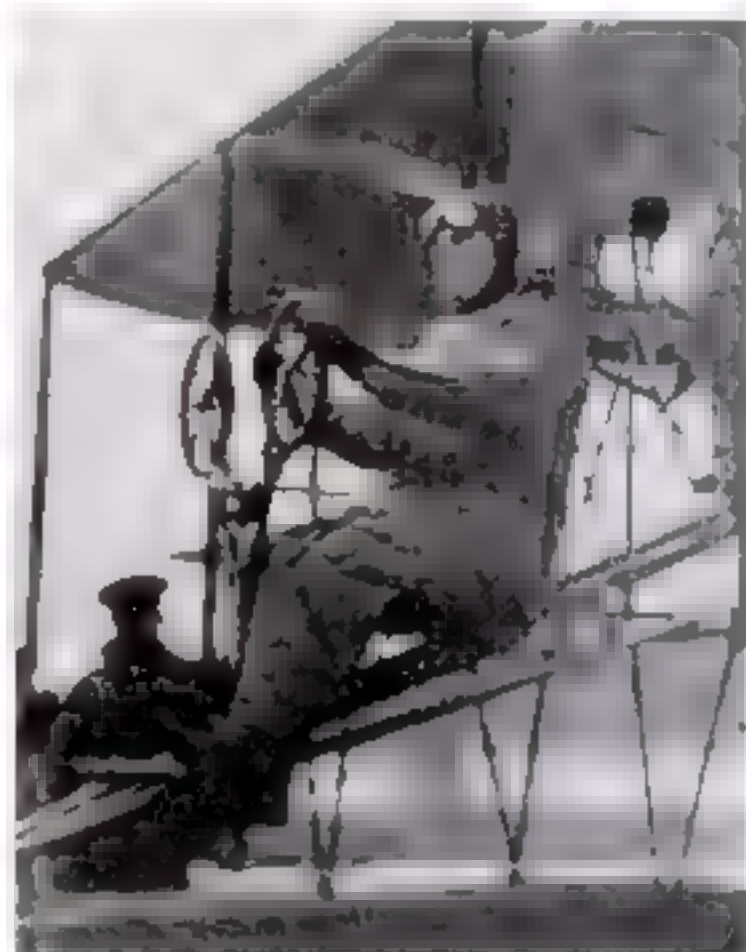
Admiral Albert C. Read, early "naval aviator," piloted NC-4 across Atlantic in 1919, now heads Technical Training Command.



Admiral Marc A. Mitscher learned flying early at Pensacola, was a member of the NC-1 crew in 1919. He now has a command at sea.



General Roy S. Geiger, U. S. Marine Corps, became "naval aviator" at Pensacola, now commands land-based aircraft in Solomons.



Captain H. C. Richardson, first naval aircraft constructor (1914), supervises wind-tunnel tests at Washington Navy Yard.

bombing but day bombers can strike specific targets. Day bombers, equipped with the American precision bombsight, can hit specific targets with accuracy from high altitudes. It is estimated that daylight bombing is *ten times* as effective as night bombing.

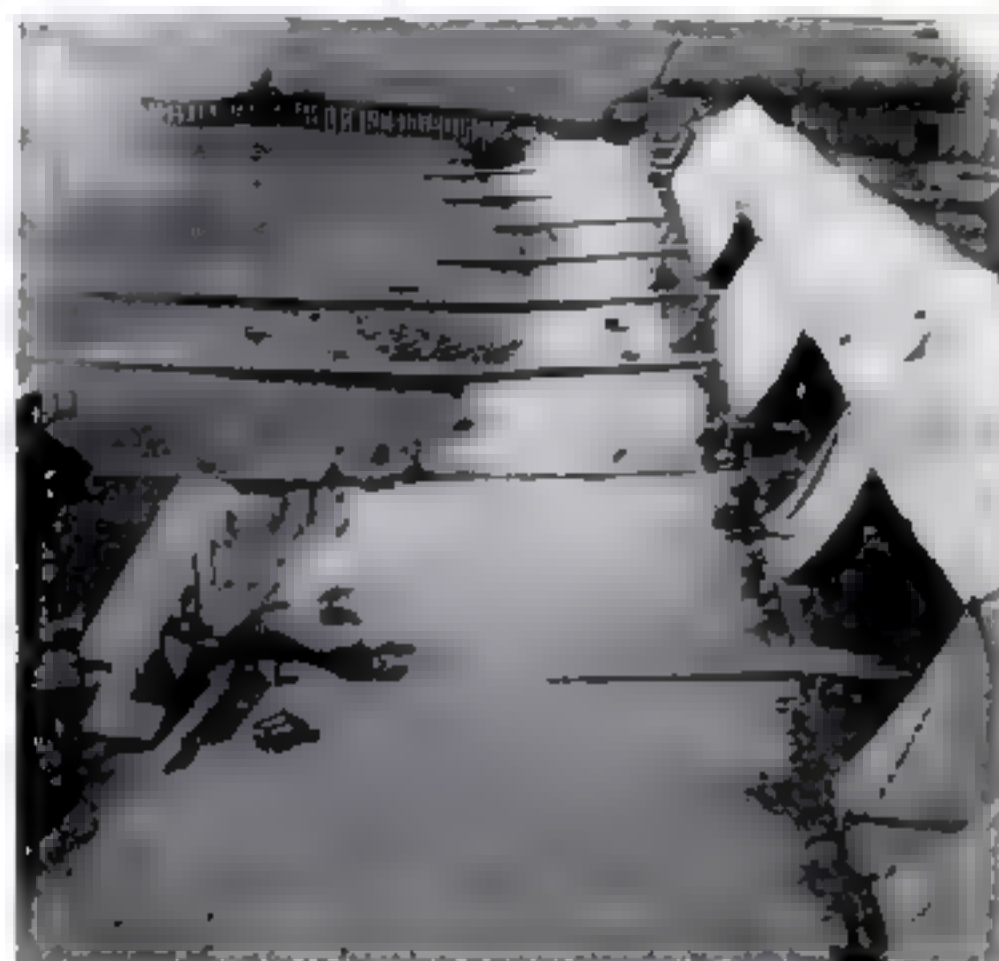
Airpower cannot, by itself, defeat an army or capture territory, any more than military power can gain a vital decision without airpower. After the air attack has knocked out the source of the enemy's strength, the ground force must be ready to go in at once and deliver the final blow. It is futile to bomb the enemy to his knees unless the ground force can immediately knock him over and seize his base. The land strategist and the air strategist do not differ

in the roles they assign to the two arms. The difference lies in where they place their emphasis. The land strategist thinks of airpower as striking a preliminary blow but landpower playing the decisive role. The air strategist thinks of airpower striking the decisive blow and landpower following up.

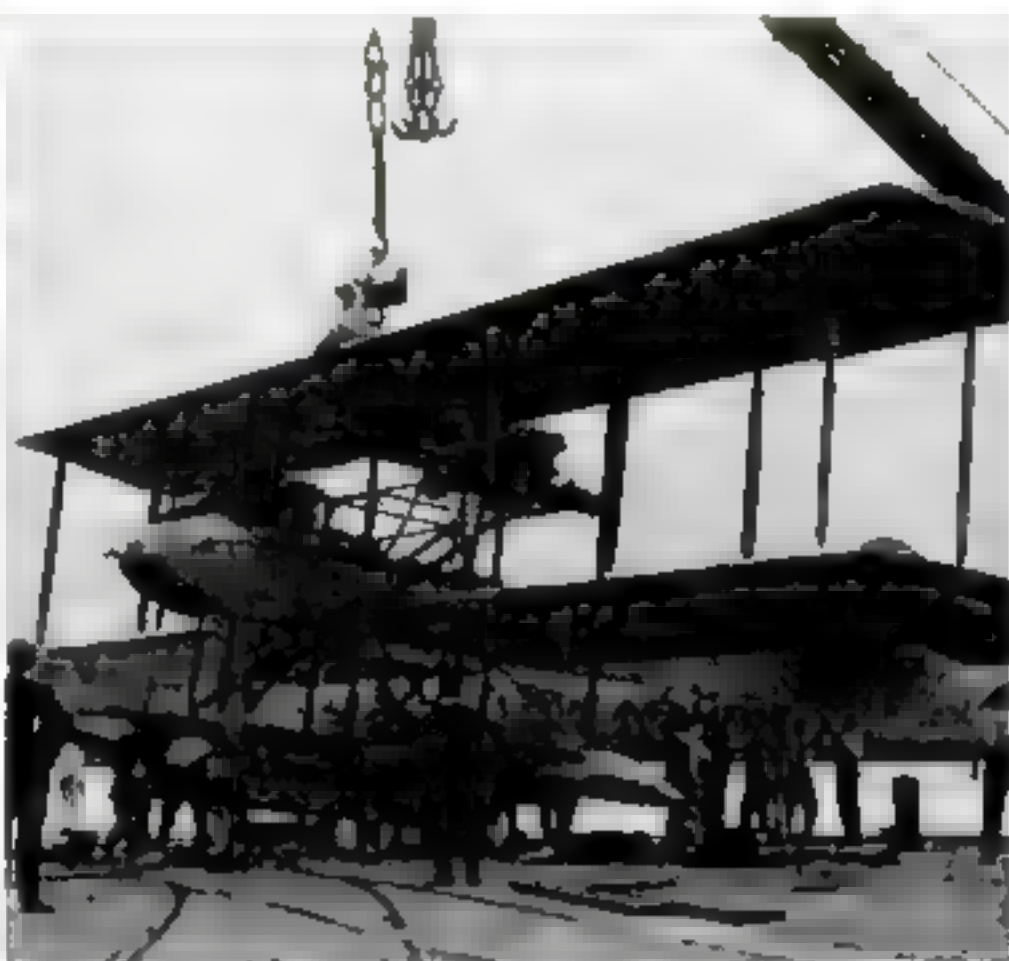
AIR STRATEGY: GERMANY

In planning an attack on Germany, we must first ask: What is the primary objective? Is it the German Army or German industry? The land officer would make the army the first objective. He wants to engage it at the earliest

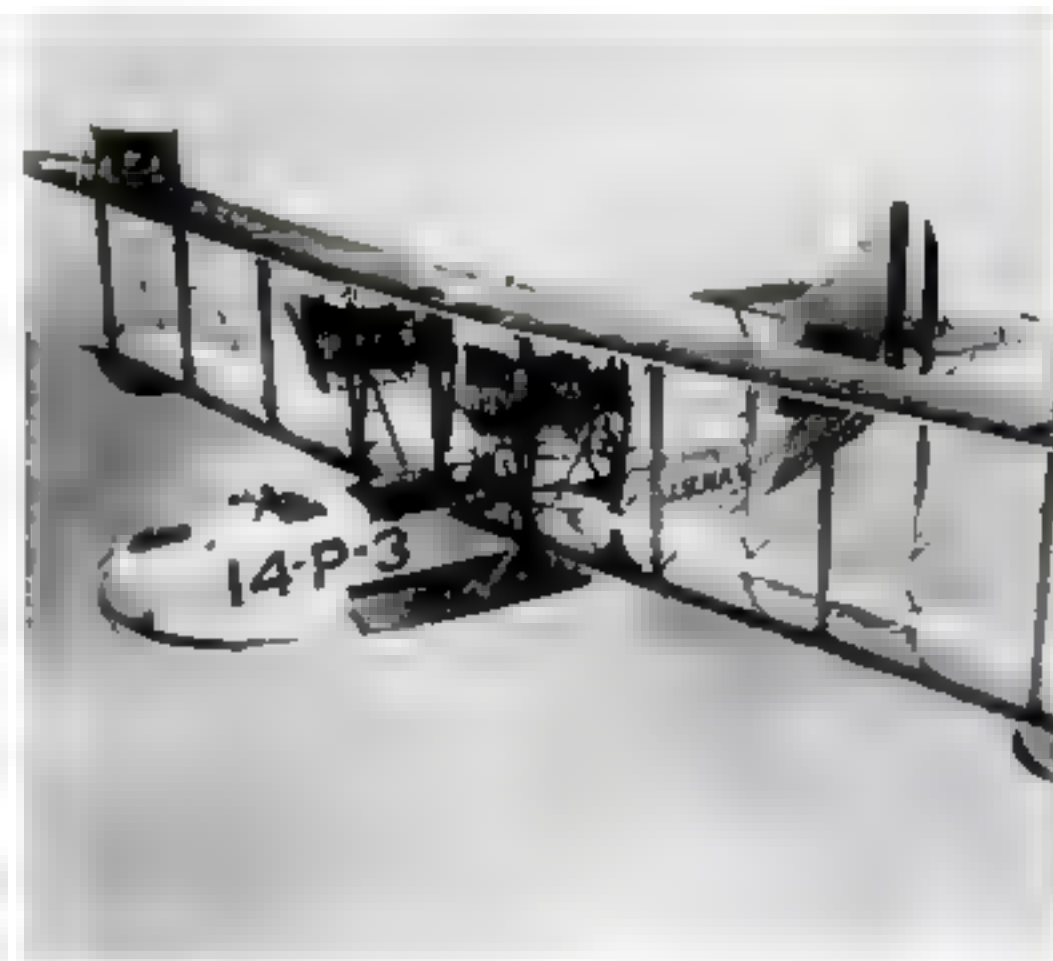
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Pensacola became site of the Naval Air Training Station in 1914. Curtiss hydros, flying boats and Wright seaplanes were housed in big tents with individual launching ramps.



First all-Navy-designed airplane was a huge twin-tractor type seaplane that Naval Constructor H. C. Richardson (*opposite page*) built and tested at Washington Navy Yard in 1915.



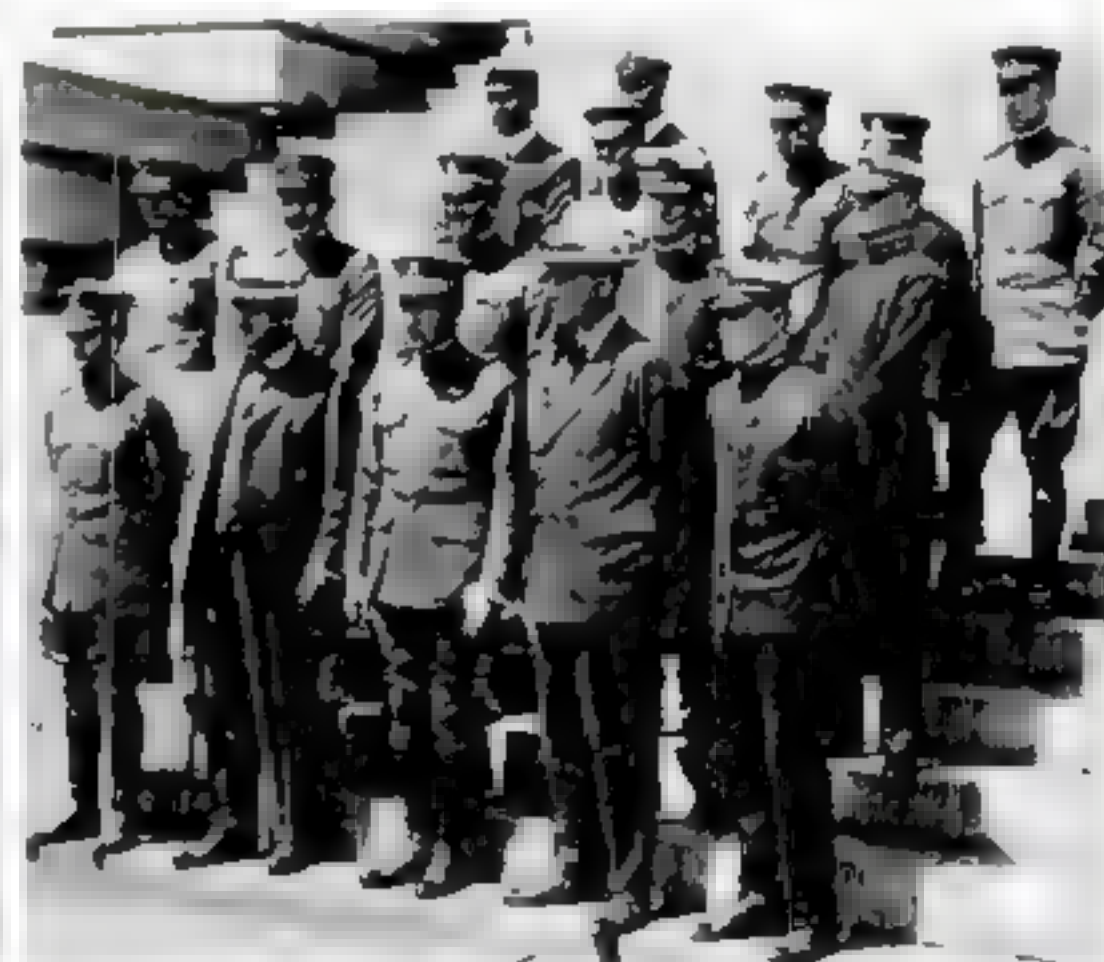
World War flying boats, Curtiss F5L's, HS's, and H-16's, were sent to Britain and France by the score. New U S naval aircraft factory alone built 183 twin-engined patrol models.



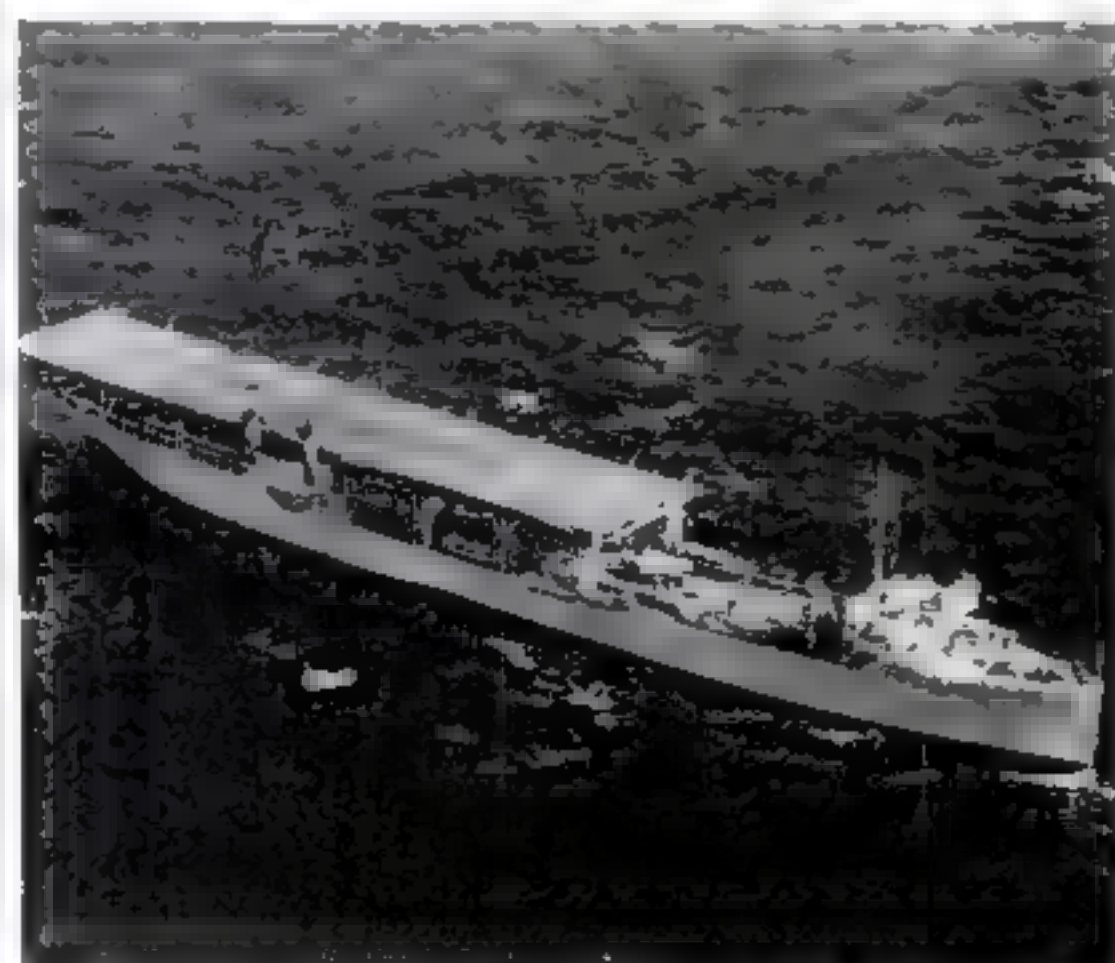
First flight across Atlantic was made by the Navy in 1919. Here the four huge Curtiss NC boats, largest in the world, prepare for the take-off, directed by Commander Towers, who flew the NC-3.



NC-4 at Lisbon, Portugal, was the only plane of the four to survive the bad weather and arrive from America in one piece. Lt. Comdr. Read was pilot.



NC crews back in Washington after successful flight posed with Navy Secretary Daniels and Franklin D. Roosevelt, his assistant. Flies went via Newfoundland, Azores and Lisbon to England.



First aircraft carrier, *Langley*, was built by putting a flight roof on collier *Jupiter*, 1922. After years as a carrier, it served as a seaplane tender until sunk by Japs last February in Indian Ocean.



Schneider Cup winner in 1923 was this Navy seaplane racer, built by the Curtiss Co. With a world's record speed of 177 m. p. h., Lieut. David Rittenhouse brought international trophy to U.S.



Navy's first dive bomber, Curtiss "Helldiver" of 1918, carried a 500-lb bomb and four machine guns, gave a hint of modern wartime aviation.

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AIRPOWER (continued)

possible moment and attempt to defeat or destroy it. He wants to transport a huge ground army to England and without waiting for an all-out air attack, launch a "second front" somewhere on the continent of Europe.

In the airman's view, this strategy allows Germany all the advantages of land warfare. Her army would be still relatively fresh and strong and her industry relatively unimpaired. Her forces would be operating on interior lines. The Allies, on the other hand, would have to force a landing on a well-defended shore, thousands of miles from their primary base.

The air strategist would make German industry the primary objective and the German Army secondary. By heavy, continuous attack, he would destroy the factories which turn out war material. Then, when the time comes to make a land assault, the German Army will be rendered largely ineffective by the breakdown of its supply system.

For such a strategy, we have all the advantages of position. We can bomb Germany's factories from close-in bases while Germany cannot effectively bomb ours. To appreciate this advantage, suppose that Germany held air bases on Long Island, Cuba and Mexico, and could pound our factories day after day. That is the equivalent of what we have in our bases in England, Africa and Russia. This circumstance—that we can bomb Germany's factories while she cannot bomb our factories—can be the *decisive circumstance* of this war if we follow an air strategy.

But we cannot compromise on this strategy. We cannot place equal emphasis on air attack and ground attack. There is only so much shipping space for sending war material to England and Africa. If we send all the paraphernalia of a great ground army, we cannot at the same time build up and supply a great air force. Likewise, our productive capacity is limited. If we put equal priorities on air weapons and ground weapons, we shall not have enough of either. The decision must be made very soon as to what we shall produce *first* and what we shall ship *first*.

And we must *concentrate* our airpower. We cannot afford to fritter it

CONTINUED ON PAGE 117



Air attack on Germany can be launched from Allied bases on every side. First essential to putting this plan in operation is to clean out the German forces left in North Africa and to build American bases all along the African coast. Bases are already developed in Great Britain and Russia. More could be had by Allied occupation of Norway.

Meat Loaf A LA BROOKLYN NAVY YARD!



MAYBE MEAT LOAF'S nothing unusual—but the way they serve it at the Brooklyn Navy Yard is.

For the meat loaf, like the hot soup, the mashed potatoes, the bread and butter, milk or coffee, and dessert—in fact the whole works—is served entirely in paper. Paper cups, paper containers, even on a canteen paper tray.

Impossible without Paper Containers

And if they *aren't* served on paper—they can't be served at all! Why? Because of the sheer physical difficulty of handling dishes and protecting health in any other way!

The *only* way these thousands of warship builders can get a hot, nourishing meal—and *get it right in the plant*—is by using

safe, sanitary paper cups and containers! Safe—because they're used once and discarded—greatly lessening the danger of contagion!

Protecting America's Health

All over the country—in war plants, offices, and school cafeterias—in lunch rooms, fountains, and other public eating places—in the Army and Navy themselves—you'll find paper cups and containers saving precious time—increasing efficiency—protecting health.

So far, the paper Cup and Container industry is meeting every demand. But if the time ever comes when demand exceeds plant capacity, you will, naturally, be glad to give up purely "convenience" uses at home for essential ones like those shown below:

**Wartime and
public-health needs
for paper cups
and containers
must come first!**



How Paper Containers save critical metals. If there weren't any paper containers in which to pack foods, other containers using critical war materials would *have* to be used. Paper containers for dairy products, meats, seafoods, quick-frozen foods divert no metals or plastics vital for war uses. They help conserve needed war materials—avert shortages.



Remember October, 1918? It marked the high point of the last war's "Flu" epidemic that killed *ten times* as many Americans as did the enemy—kept thousands of civilians from wartime jobs. And "transmission through eating and drinking utensils" was reported by Army medical authorities as one of the causes for the spread of the disease. That's why paper drinking cups have replaced the unsanitary dipper and pail on construction jobs—why paper drinking cups are so important to health in all public places where people drink and eat.

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AIRPOWER (continued)

away on half a dozen fronts. Especially we cannot afford to use it up in support of indecisive surface actions. We must concentrate it at the bases where it can deliver the most deadly blows against the enemy.

One possible base for the air attack on Germany is England. It is a strong and well-organized base, with a great army in being, important resources and a comparatively short supply line from the U. S. The first step in preparing to launch the attack on Germany was to make Britain impregnable to enemy assault and build the ground organization of airpower. This has now been done.

But the airman has always recognized that England has serious weaknesses as the *only* base for attack on Germany. One is the position of the island, surrounded on two sides by the Continental coast, all now in enemy hands. From a land strategist's point of view, the hub of a wheel is a favorable base for attacks on the rim. But from an air strategist's point of view it is better to attack the hub from points on the rim. Thus England's position at the hub makes it highly vulnerable to air attack at such time as the German Air Force may be released from the Russian front to renew the Battle of Britain.

The second weakness of England as a base is its limited size. England is already serving as the base for the R. A. F. with its many thousand planes and for a small but fast-growing American Army Air Forces. Large bombers require huge fields, on level ground, spaced at some distance to avoid confusion and afford reasonable protection from German bombing. The number of heavy bombers which can be based in England is comparatively limited. The island simply isn't big enough to base all the planes needed for an all-out attack on Germany. If we were able to base planes on the flat fields of Ireland, the problem would be eased somewhat but still not solved.

Fortunately we have a perfect solution for this problem—Africa. Air strategy has always been to develop Africa into a base comparable to Britain. North Africa affords plenty of space to disperse our airfields. Most of the time it has excellent flying weather. Once Rommel's force has been eliminated, it lies relatively secure from attack, between the buffers of the Mediterranean and the desert. The

CONTINUED ON PAGE 131



Air attack on Japan can be launched from bases in Siberia and China. Alaska is the main American base, with two strings of forward bases, one running down the Aleutian Islands and the other down the Siberian mainland. Before this plan can be put in operation, Russia must enter the war against Japan and troops must secure the Asiatic bases.

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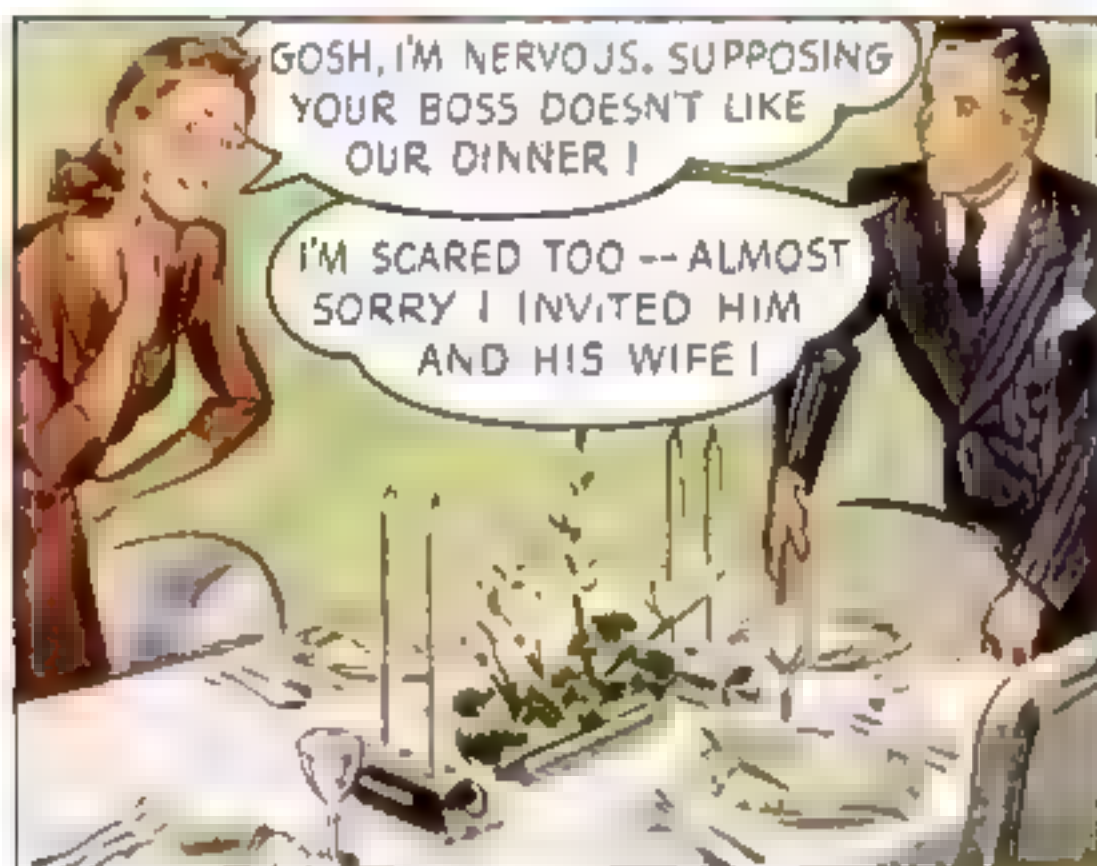
OMEGA

FIFTH AVENUE • NEW YORK

How to be a

Wine Expert

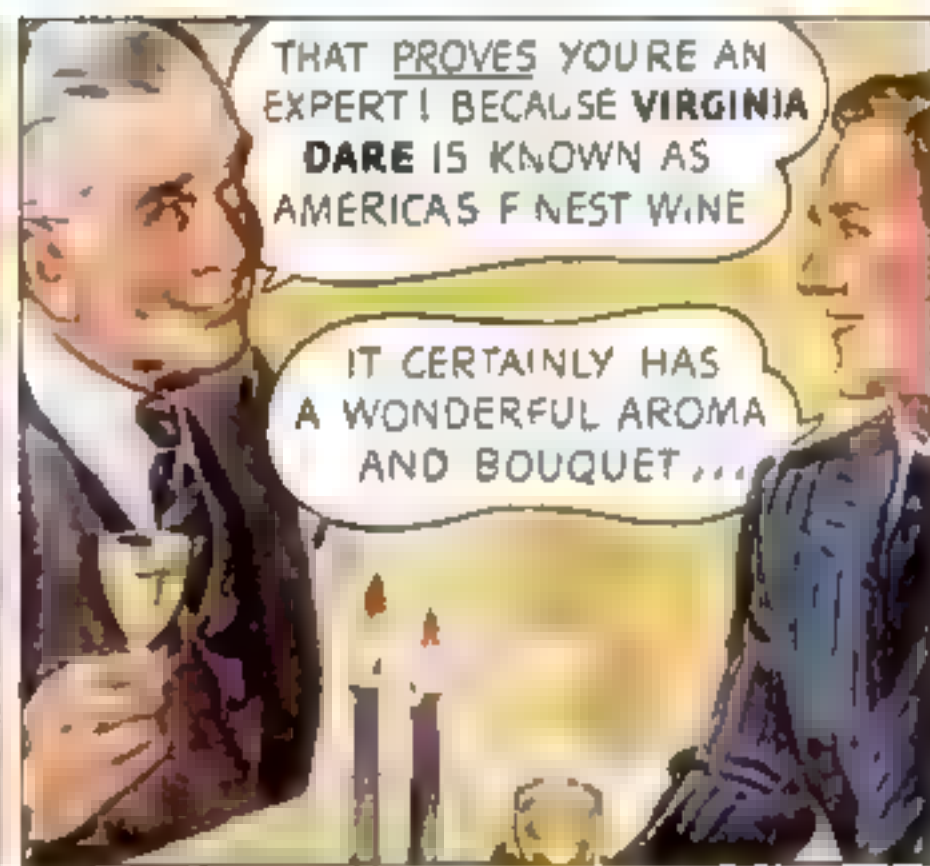
in one easy lesson



Boy, did I have the jitters! Old "J.H." himself, coming to my house for dinner, for the first time!



But the minute I served VIRGINIA DARE WINE, the boss and his wife broke out into broad smiles.



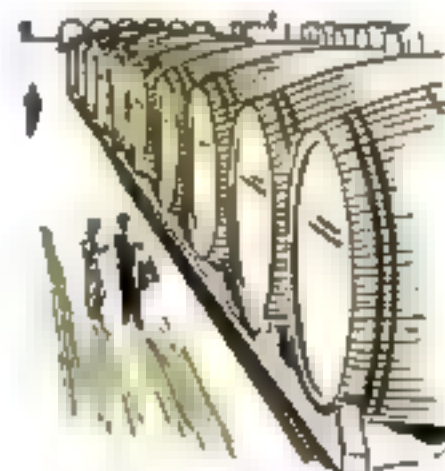
The boss knew I was "on the beam" when I talked about Aroma and Bouquet. My dealer told me that only a properly aged wine, made from fine, cultivated grapes, could have such splendid qualities as VIRGINIA DARE.

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Even with pedigree, cultivated "VIRGINIA DARE grapes," you can't *rush* them! Every drop is properly aged, which accounts for smooth, mellow and luscious VIRGINIA DARE WINE.

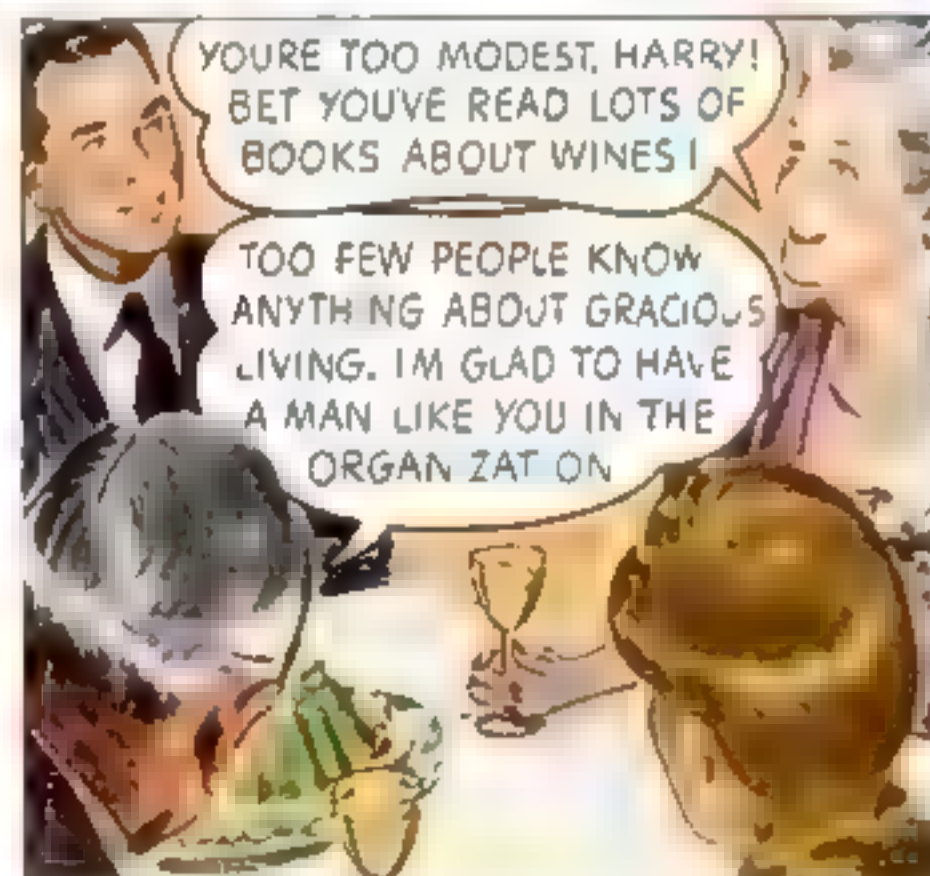


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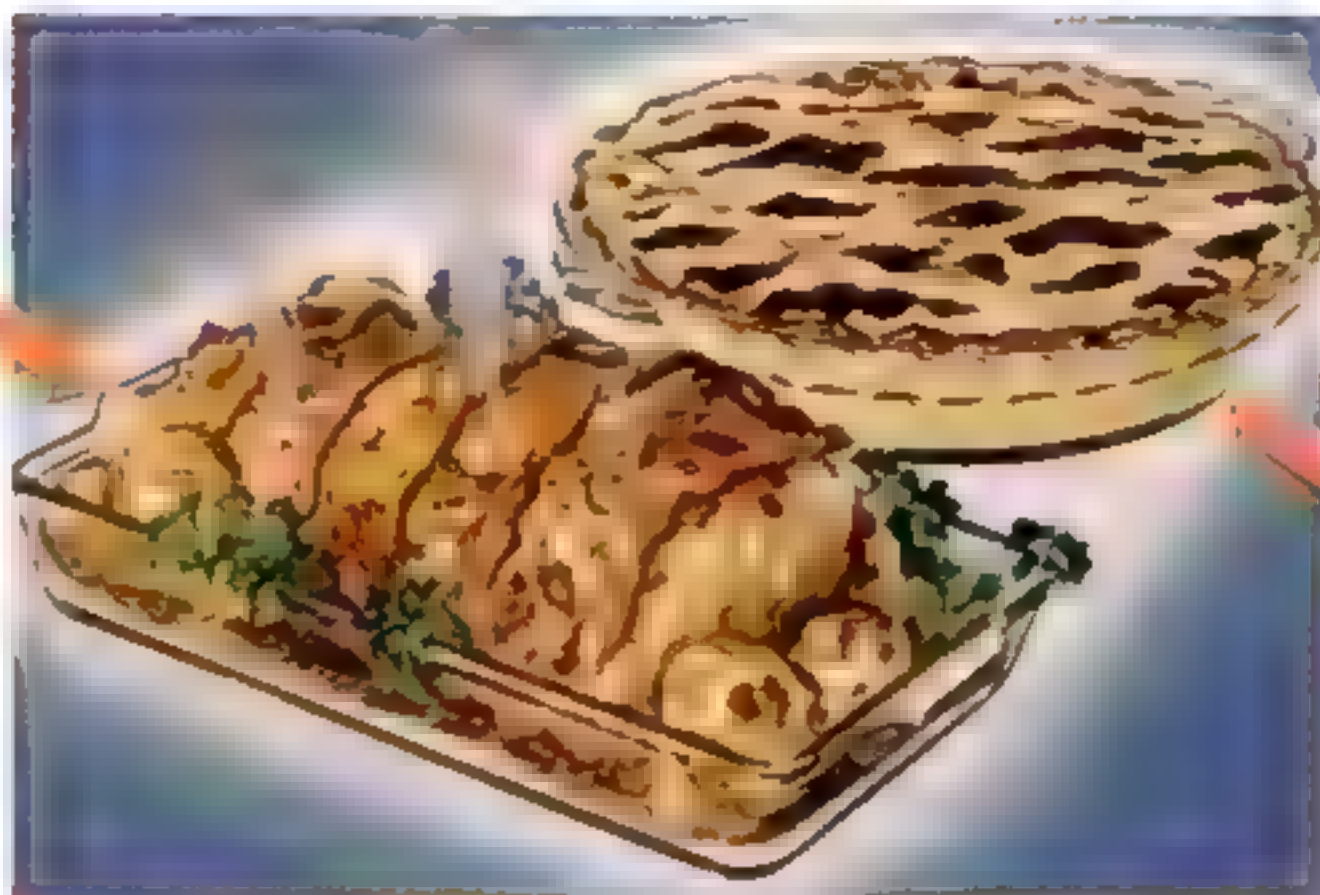
Imagine, making such a hit—just with a bottle of VIRGINIA DARE—just goes to show how little things can be so important! And VIRGINIA DARE isn't expensive either!



See why **PYREX WARE** is a better gift for you this Christmas!



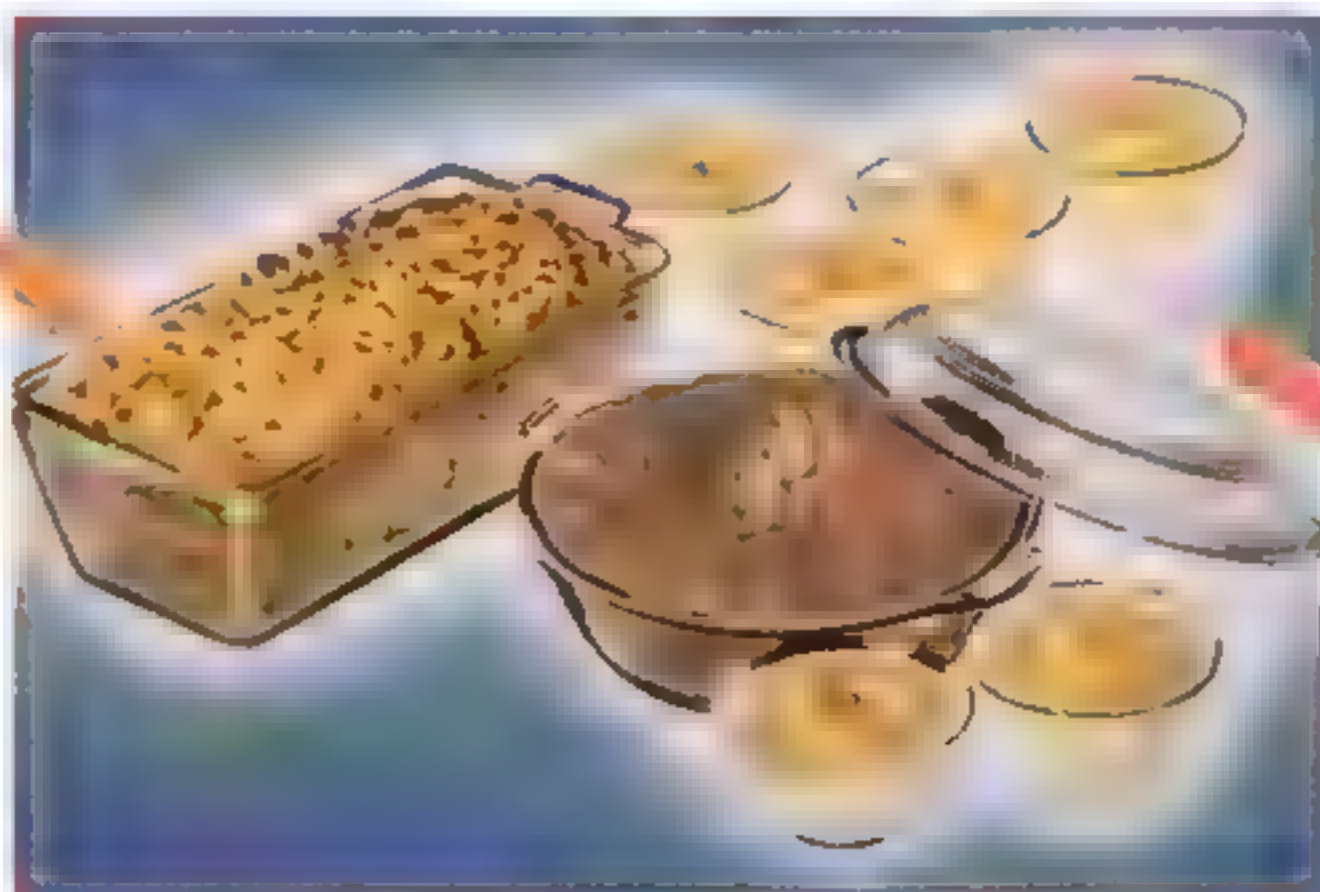
1. GUARDS YOUR FAMILY'S HEALTH! Food looks and tastes better in Pyrex Ware. Each utensil serves you a dozen ways. Use this utility dish for small roasts, chops, other main courses; baking hot breads, rolls and biscuits; desserts; serving salads. 12½" size.....only **65¢**



2. SAVES TIME AND WORK! Saves dishwashing for she can cook, serve and store in the same dish. The latest: The new deep Pyrex "Flavor Saver" Pie Plate with fluted edge that keeps the juice and flavor inside the pie! Handles help in serving and baking. 10" size.... **45¢**



3. SAVES FUEL! Pyrex Ware bakes foods as much as one-third faster! For instance, take this famous Pyrex Loaf Dish. She'll use it for nut bread, meat loaf, baked beans, scalloped dishes...and save fuel every time! Never stains or discolors. 9¼" size.....still **45¢**



4. SAVES ON LEFTOVERS! She can put leftovers in the refrigerator in the same Pyrex dish it was cooked in. The handy Pyrex Matched Casserole with six dainty Custard Cups is grand for budget dishes. The cover serves as an extra pie plate. 8-Piece Matched Set.... **\$1.00**



5. HELPS THE HOME HOSTESS! Pyrex Ware is smart for wartime entertaining because food goes right from the stove to the table and looks lovely! New Pyrex Mixing Bowls, help out for mixing, baking, serving and storing. They nest to save space. She'll love this set of three... 1 qt., 1½ qt., 2½ qt. sizes...and the set costs just **95¢**



6. A GIFT FOR EVERY WOMAN ON YOUR LIST! For example, watch her eyes sparkle when you give her these four Pyrex Measuring Cups! Each has a place in every kitchen. Permanent red markings. One quart liquid—**75¢**. One pint liquid—**50¢**. One cup liquid—**15¢**. One cup dry—**15¢**.

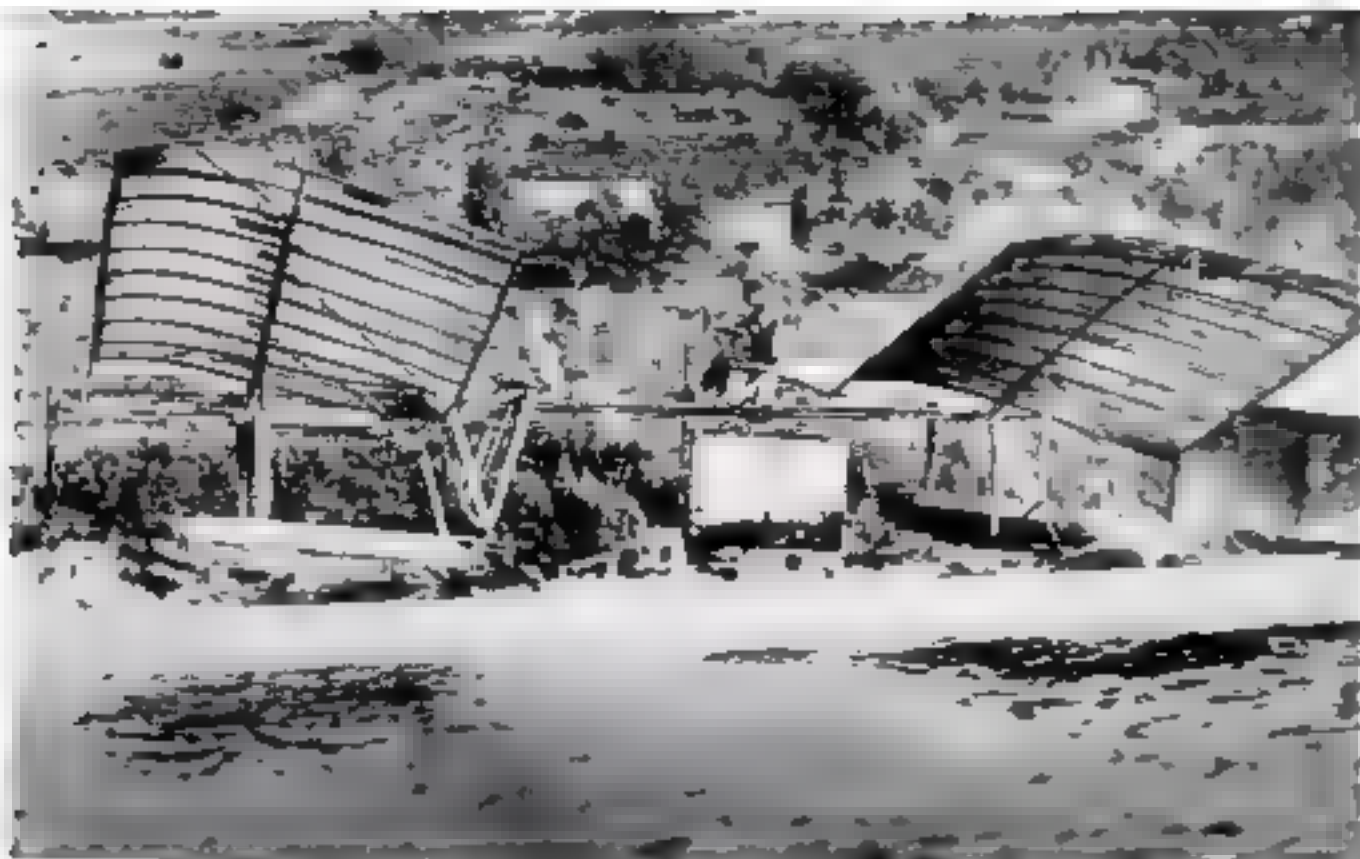


LOOK FOR THIS LABEL FOR YOUR PROTECTION!
"PYREX" IS A REGISTERED TRADE MARK OF CORNING GLASS WORKS, CORNING, N. Y.

PYREX ~~X~~ **OVENWARE**
FLAMEWARE

GET THESE POPULAR GIFTS AT YOUR FAVORITE STORE TODAY!





"Aerodrome," built by Prof. Samuel Langley, crashed on take-off a week before the Wright Brothers' first flight in 1903. With a new engine, Curtiss flew it in 1914 (above).

AIRPOWER (continued)

supply route from the U. S. is only about one-sixth longer than the route from the U. S. to England, and in any case the supply problem for an air force is not so great as for a land army since the air force requires less in total and can take a considerable part of its supplies by air transport.

Thus the seizure of North Africa has been the essential prelude to mounting the air attack on Germany. Based on Africa as well as England, we turn the tables on Germany and occupy the rim of the wheel, with Germany the target. Bombers based on England will naturally concentrate on the targets in Germany proper while those based on Africa will concentrate on targets in Italy, Rumania, Czechoslovakia and the other occupied countries. When advance bases are gained in southern Europe they will be able to join in the attack on Germany itself.

In dealing with Germany, we have a pressing problem of time. We cannot expect to deal a decisive blow at once. Yet we must make our airpower felt in time to take the pressure off the Russians and allow them to counterattack in force. It will not do, therefore, to hold our blow until we can deliver one sudden, smashing assault. We must use it as fast as it becomes available, gradually stepping up the strength of our attacks. We must figure on battering Germany with increasing fury during 1943, though not necessarily upon winning the war next year.

This is the air strategy for attacking Germany. In seizing North Africa we have taken the essential step toward putting this strategy into effect. But the fact that we have taken this step does not mean that our Army has accepted the rest of the strategy. For North Africa can also be used as a base for a primarily land attack, with merely supporting aviation. There is good reason to believe that this is what the land generals contemplate. Which strategy we adopt—land or air—is yet to be finally decided.

ATTACK ON JAPAN

The air strategist's plan for attacking Japan is at direct variance with Navy strategy. The Navy's plan is to fight its way back across the Pacific, island by island, until at last it reaches the seat of Japan's

CONTINUED ON NEXT PAGE



Curtiss "Flying Fish" was the first successful flying boat. Its engine and wings were placed high over the hull. Here it sails low over New York's Keuka Lake in 1912.

**VERY
DEFINITELY
SUPERIOR**



► Riondo is one of the fastest-selling rums in the country... because it is definitely superior in quality! Light in body, mellow rich in flavor, Riondo makes drinks of exceptional excellence. And yet Riondo is definitely reasonable in price.

Riondo
PUERTO RICAN RUM

GOLD LABEL OR WHITE LABEL 24 PROOF

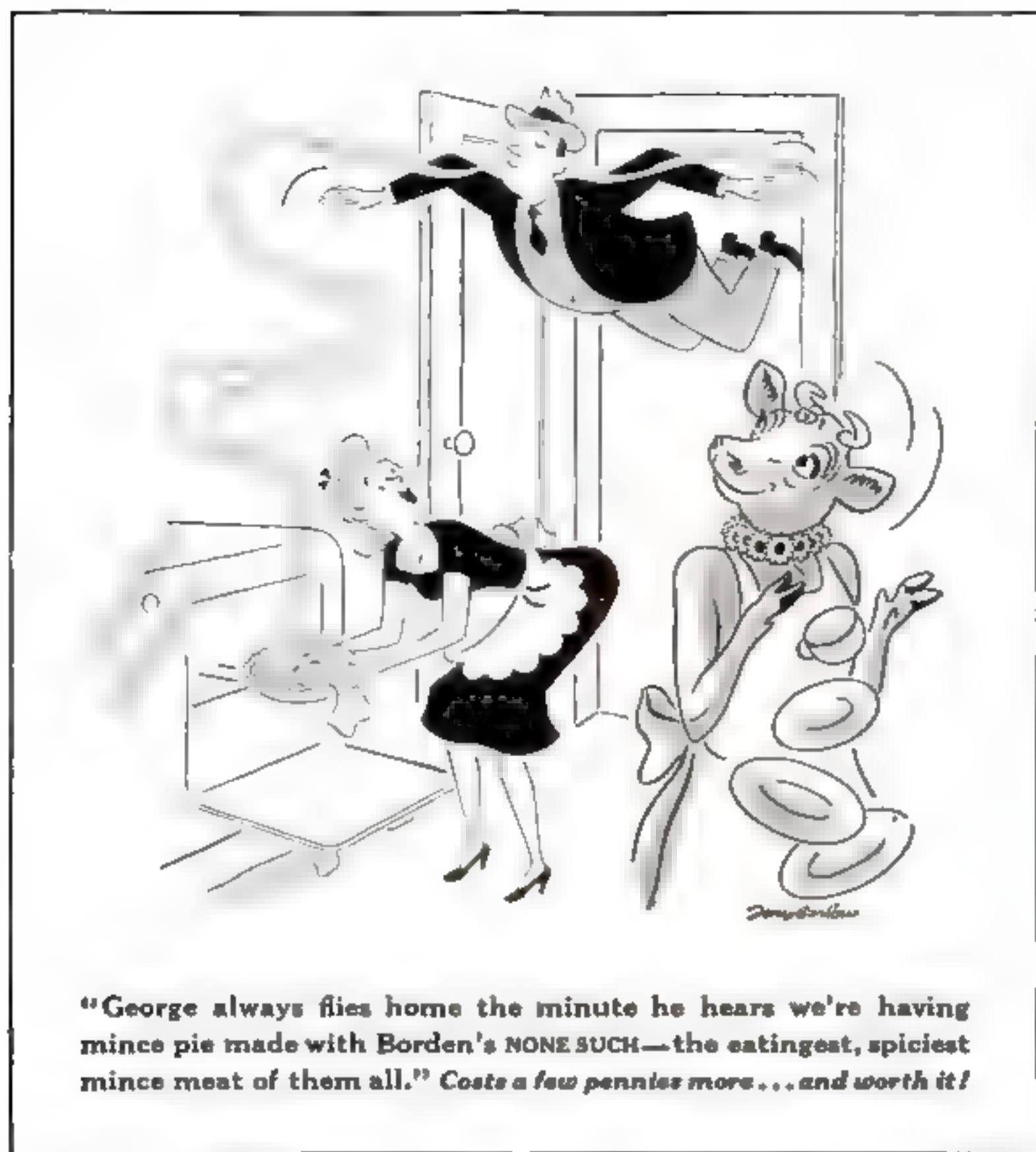
SOMERSET IMPORTERS, LTD. • NEW YORK • CHICAGO • SAN FRANCISCO

Sun Valley
IDAHO

This fascinating year 'round sports center, in the heart of Idaho's Sawtooth Mountains, features healthful outdoor activities for all members of the family. Skiing tops the list but there are many other enjoyable diversions including sleighing, dog-sledding, skeet-trap shooting, swimming in warm-water pools, and dance music in evening hours... For complete information, rates and reservations, write—

W. P. ROGERS, General Manager
Sun Valley, Idaho





Buy still **MORE** war bonds

**THEY JUST
NATURALLY
GO TOGETHER!**

LOVE and KISSES



**PANCAKES and
VERMONT MAID SYRUP**



• Can a chef invent a finer dish than pancakes and Vermont Maid Syrup? We doubt it!

Vermont Maid Syrup is always rich in true maple sugar flavor... the luscious flavor you've been looking for. Packed in Vermont.

**Vermont Maid
Syrup**

**"Be of Good Cheer!"
SALUTE**

AMERICA'S NEW PATRIOTIC GAME

Happy competition between Junior, Dad, Sister and Mom, learning the insignia of our fighting men and officers. Special "Salute the Flag" feature. For 2 to 4 players. \$1.00. AT ALL DEALERS OR DIRECT.

SELCHOW & RIGHTER COMPANY
(Famous Game Makers for over 75 years)
200 FIFTH AVENUE NEW YORK, N. Y.

*Your heart on
her hand*

Heart Wedding Ring
in diamonds \$350...
in Platinum \$25...

Mail Orders,
send finger size

**\$15
in Gold**

jewels by Paul Kato
one East 57th n. y.

No copying this time patented

AIRPOWER (continued)

power. This is the "amphibious war" the admirals have long talked about. The Solomon Islands action is conceived as the start of this long rolling-up process.

Even on paper the Navy plan is a long and costly affair. In reality, according to the airman's view, it is hopeless. The fallacy of the Navy strategy seems to be this: If we had *now* all the battleships and all the carriers the Navy plans to build, we could not assault the main Jap positions. Our surface ships could not approach within the range of Jap land-based airpower. If our surface Fleet attempted such an act, the result would be Midway and the Coral Sea in reverse.

The one clear lesson of Pacific fighting is that when an aircraft carrier comes within range of land-based aviation, it's a dead duck, no matter what kind of flag it flies.

Luckily there is no need to attempt the island-to-island attack. The airman's strategy is to strike directly at the seat of Japanese power. Instead of tangling with the furthest tentacles of the Japanese octopus he would strike at its heart, leaving the tentacles for mopping-up operations later.

Just as Africa is our key to victory over Germany, so is Alaska the key to victory over Japan. Every air officer thinks of Alaska as the center of the world. If, instead of looking at the globe with the equator as its axis, you will turn it on its side so that the Greenwich meridian becomes the equator, you will see why. Alaska is very nearly the center of the main land masses of the world. It is also on the direct air route from the U. S. to Japan.

Alaska is the ideal *primary* base for the attack on Japan. The Canada-Alaska Highway is already open for traffic. A railroad is the next logical step. But even lacking a railroad, we can pour supplies into Alaska by highway and by protected coastal shipping as well as by air.

But Alaska is not close enough to Japan to serve as the advance base of attack. Contrary to some rumors, we may not have planes in 1943 which can attack Japan effectively from Alaska. It is 2,500 miles from Dutch Harbor to Tokyo, and our airpower infant will not have developed enough reach in 1943 to negotiate the distance with decisive effect. That means that we must have advance bases in Siberia.

From Nome to Anadyrsk, Siberia, the distance is only 500 miles and, strangely enough, the Bering Sea can be kept open between these two points the year round. The ice freezes to a depth of 10 ft., but it is not solid ice and can be handled by medium-sized ice-breakers. Thus, after we have kicked the Japs out of the Aleutians, it is a simple task for us to lay down at Anadyrsk all the supplies we need to soften up Japan. The ice even operates to our advantage, since it will protect cargo ships from submarine attack.

From Anadyrsk to Vladivostok there is a chain of airfields that would have to be protected by land troops. This would necessitate our pouring a ground army of perhaps 500,000 men into Siberia. This army would be supplied by air transport and would secure whatever bases we needed to launch our air attacks against the Japanese islands.

Of course it will take time to implement such strategy. We cannot enter Siberia without Russia's permission and that permission is likely to be forthcoming only when we satisfy Russia that we can *bolt* Siberia against Japanese ground attack. Also there is the question of whether we should concentrate on Germany first, leaving Japan until later. These are questions for the President and the High Command to decide. The airman's position is that we should utilize

CONTINUED ON PAGE 111



Glenn Martin's trainer was a big step forward. First successful tractor type plane, it ended a discouraging run of fatal accidents at Army West Coast training base in 1914.

**"THEY'RE NOT RATIONING
THE CHRISTMAS SPIRIT!"**



This year, gifts carry a special significance! That's why you'll be so proud when you present TruVal Shirts—tailored, as always, in the TruVal tradition of fine quality—featuring styles that are right and patterns that are a delight. Yet the prices are light on any gift-budget! This Christmas, as always, TruVals are America's greatest shirt values! • At selected stores.

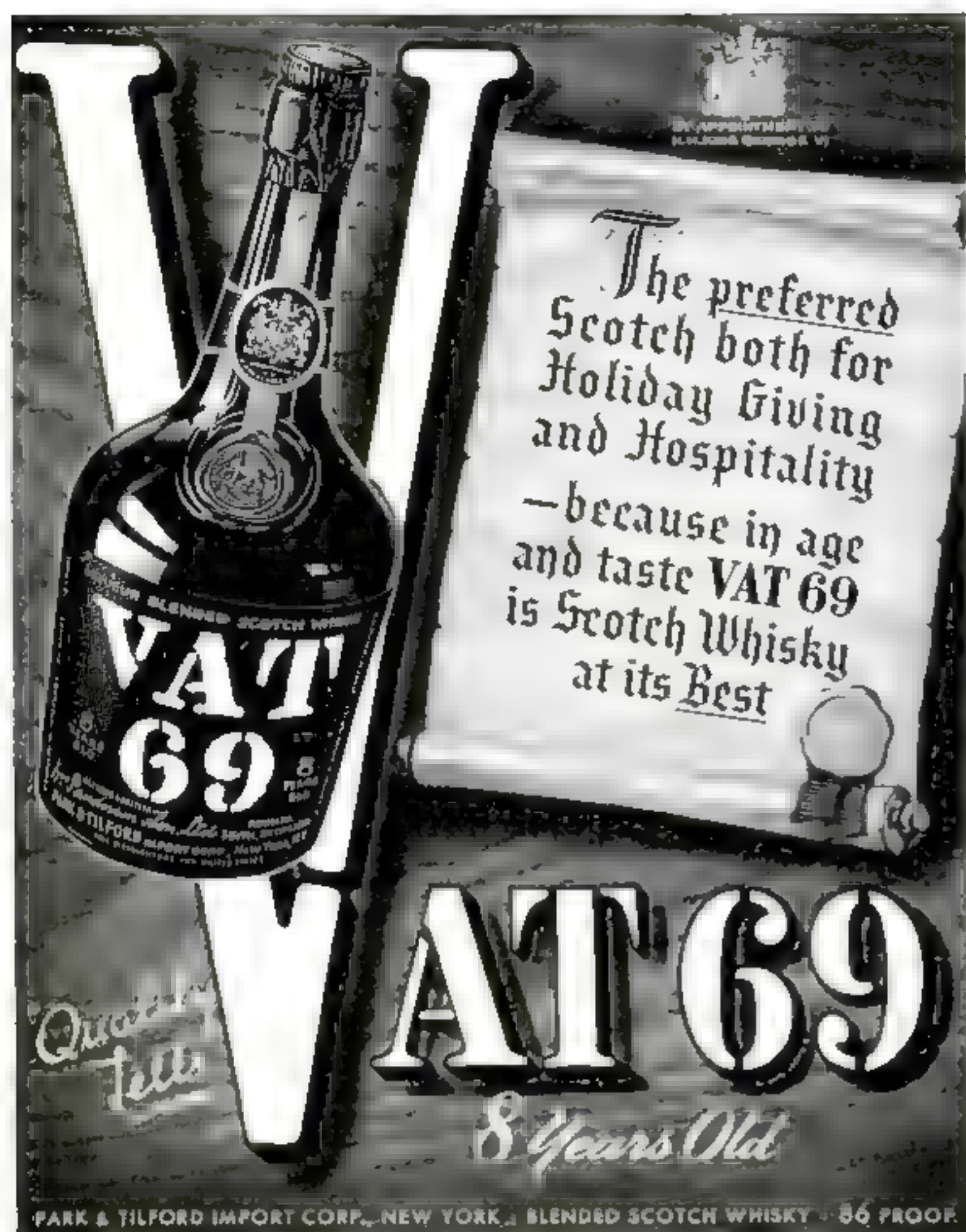
For other Welcome Gifts, see the complete, colorful TruVal Line—Pajamas & Sports Shirts from \$2. Outer Sportswear from \$6.95

TruVal
SHIRTS

IT'S KHAKI FOR THE ARMY—TRUVAL FOR THE "CIVVY"

\$1.55
and **\$1.85**
(WHITES SLIGHTLY HIGHER)

TruVal Manufacturers, Inc., 261 Fifth Ave., New York City



The preferred
Scotch both for
Holiday Giving
and Hospitality
—because in age
and taste VAT 69
is Scotch Whisky
at its Best

VAT 69
8 Years Old

PARK & TILFORD IMPORT CORP., NEW YORK, BLENDING SCOTCH WHISKY - 86 PROOF.



"He says his Regal Tie is his most valuable asset".

When he reads this advertisement in LIFE he will know he can still buy genuine English-Loomed wrinkle-defying REGAL-AIRE TIES in Pre-War quality at Pre-War price!

For Christmas Give Him Plenty of

Regal Ties
REGAL-AIRE • DU-ALL-O • HOMESPUN

Remember, good appearance means good morale... a man does his best when he looks his best... To men who like "Rough Stuff," give Regal Homespuns—the colorful ties that are Hand-Woven... To men who like glamorous ties, in stripes and bold figured designs, give Regal Du-All-O, the tie with the silver-colored lining.

\$1.00

Thousands of men in uniform prefer Regal Service Ties.

KEEP YOUR CHIN UP WITH A REGAL TIE

Ask your dealer to show you Regal's new Holiday Collection of Stripes, Plaids, Figures and Plain Colors.

Regal Ties

AIRPOWER (continued)

1943 for preparing our primary and advance bases for assault on Japan and divert only as much offensive air strength to the Pacific as is necessary to "contain" the Japs.

We have one theater from which we may be able to operate offensively against Japan in 1943. Our position in China is uncertain and vexed with great difficulties of supply. But General Claire Chennault, our air commander in China, is a resourceful officer. If the Chinese troops can secure his bases, and if we can get supplies to him, he will begin to operate on Japan's vital southern supply lines as well as on the cities in Formosa and in the southern part of the main Jap islands.

THE ROLE OF LANDPOWER

In the airman's strategy, airpower becomes the initial offensive force. It strikes at the sources of enemy power and strives to deal the decisive blows. But landpower still has two vital roles. The first is to win and hold the bases of airpower. Using attack aviation as a cooperative arm, the ground army must seize and secure advantageous bases for airpower. This is particularly important now when our big bombers are limited in range and must operate from fairly close-in bases. Britain seems already to have been made secure as a bombardment base; and North Africa is being secured now. Many divisions of American ground troops will be required to seize and hold the bases we shall need in the Mediterranean area and in Siberia.

The second and equally important role of landpower is to assault and occupy the enemy territory after the air attack has destroyed the industrial sources of enemy power. Our land forces, well supplied, will attack enemy land forces which have lost their sources of supply. We shall need millions of ground troops to complete our victory over Germany and Japan. Fortunately, we do not have to rely wholly on our own troops to fulfill this function, since our allies on the Eurasian continent already possess the manpower and the positions to attack overland.

After our Air Force has smashed Germany, our land forces can attack from many directions. The Russians can move from the east; British and American troops can swarm across the Channel; British, American and Free French troops can attack over the land bridges from Africa, and the Scandinavians can close in from the north. In the case of Japan we can count on the Chinese troops to push the Japs out of Asia, and to join us in landing on the Japanese islands.

The impression has been created in this country that an air officer is a "visionary" who scorns ground troops and who wants all surface forces to stand by while airpower wins the war. This is a false impression. The men who command American Air Forces are not visionaries; most of them were Army or Navy before they were Air Force, and they knew surface war before they learned air war.

These men are not likely to underestimate the value of surface arms. A lot has been said about Germany's having men who are trained to command both surface and air forces. We have the same sort of men. We need only to listen to them and give them a voice in devising our strategy.

Airpower is the natural instrument of American armed might. Just as Britain based her empire on seapower and Germany has made her conquests by landpower, America can triumph through airpower.



The Barling Bomber, 22-ton experimental triplane, was U. S. granddaddy of Flying Fortress. In early 1920's it set weight-carrying records with its six "Liberty" engines.



HEY, MOM! We'd Rather Have RED HEART!



It's the Same Good Old Red Heart—Just DEHYDRATED!

1



THE SAME 3-FLAVOR RED HEART

Has the same taste variety of beef, fish, and cheese flavors.

2



ABSORBS WATER INSTANTLY

A genuine dehydrated dog food—no need to wait before feeding.

3



TASTES SWELL

NO ARTIFICIAL FLAVORING OR PRESERVATIVES

Special process retains natural flavors.

7 COSTS LESS! One carton equals 2½ cans of canned Red Heart in food value

4



MORE VITAMIN BENEFITS

Low temperature dehydration retains essential vitamins and minerals.

5



CONTAINS 50% OR MORE FEDERALLY INSPECTED MEATS AND MEAT BY-PRODUCTS

6



LABORATORY-TESTED AND KENNEL-PROVED

Will satisfy any dog's meat hunger without supplementary feeding.



Packed in 12-oz. Cartons



SPECIAL OFFER!

8" x 10" Print of Puppy Photo Above
Black and white—suitable for framing. Contains no advertising matter. Just send 10¢, in coin or stamps, to cover postage and handling, to John Morrell & Co., Dept. 4-12, Ottumwa, Iowa. Offer expires Jan. 28, 1943.

DEHYDRATED
THE 3-FLAVOR DOG FOOD
Feed in Rotation

NOTICE!

In spite of tremendous processing and packaging changes, everything possible is being done to hasten distribution of Red Heart DEHYDRATED Dog Food. If your grocer does not have it please be assured that we will do our level best to supply him as soon as possible.

Here is a glimpse...



... of the card that will announce a Christmas gift of **LIFE**

In it Artist Will Burtin beautifully interprets LIFE-for-Christmas—what a big, important, thoughtful present LIFE is.

The outside radiates the sparkle and friendliness of the Holiday Season.

Inside, there is the spirit of Christmas-giving... a glimpse of the many things you give when you give LIFE... and the four seasons through which your gift continues.

It is a card that will be looked at long and carefully... a card that will be admired and proudly shown.

To be sure this card, with your name inscribed, reaches your favorite friends with the first LIFE copy in time for Christmas—enter your LIFE-for-Christmas gift orders now.

Special Christmas Gift Rates:

For the first subscription—your own or gift:	\$4.50
For each additional gift:	\$3.50

An airmail postpaid order form is bound in this issue of LIFE for your convenience in rushing your gift order to us today.



SNOW EFFECT IS EASY IF WHITE CARD PAPER IS USED

CHRISTMAS

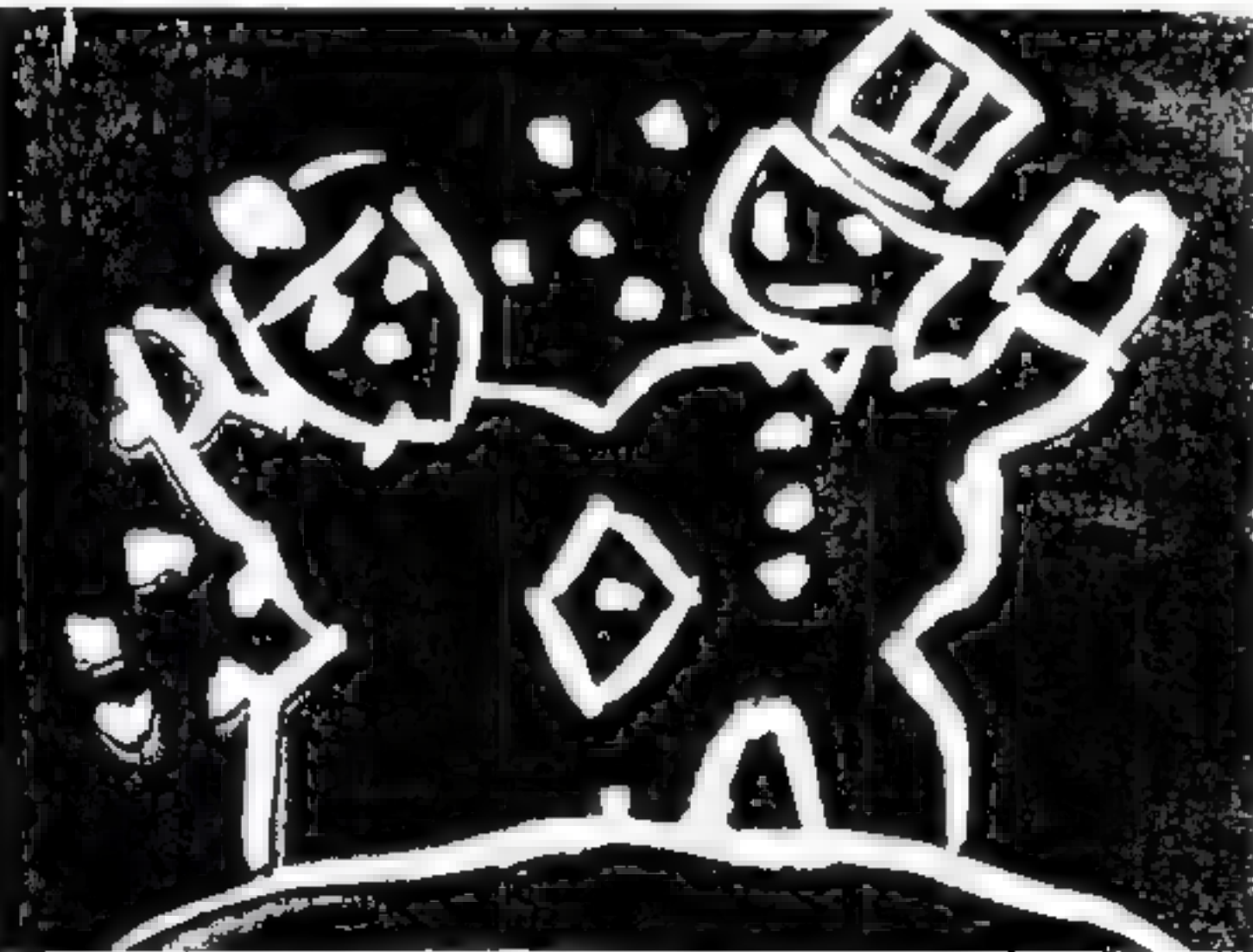
How children spread simple cheer

This is the year when sane people will revert to the once-upon-a-time kind of simple Christmas. Stern realities such as priorities, conservation of resources and manpower will put an end to much of the bad taste and commercialism which has made a mockery of the true spirit of Christmas. Because children are masters of sincerity and simplicity, LIFE went to various children's groups in New York to find out how children express their Christmas cheer. Here and on pages following are some of the cards, decorations and wrappings done by children. Since this is also a year when small spruces should be permitted to stay in the forest and grow into mighty trees (thus saving not only future timber but present labor and transportation facilities), the Parsons School of Design shows several substitutes for trees.

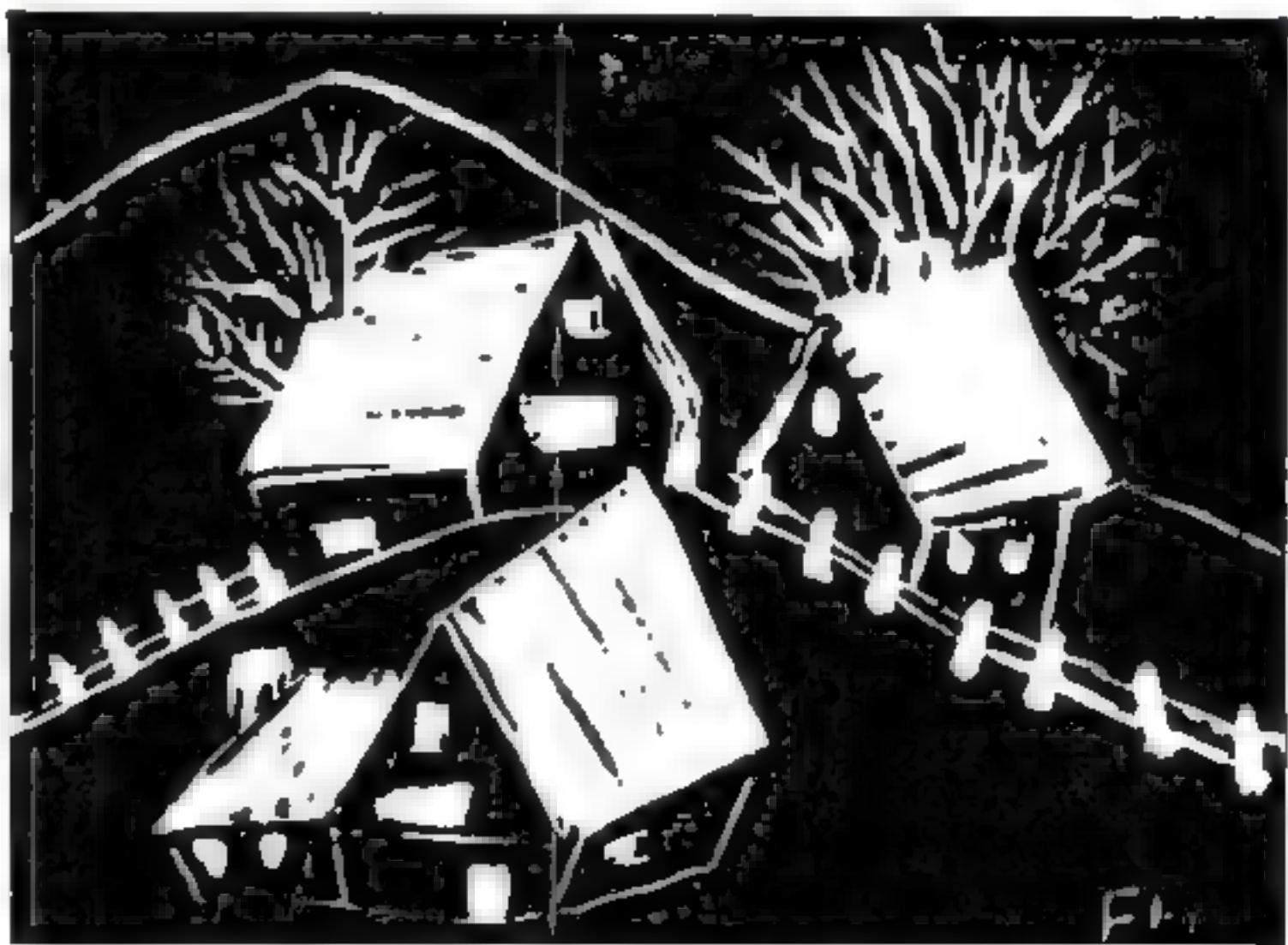
One of the most valuable tips adults can get from children is the joy and satisfaction which lies in making one's own Christmas cards. Those on this page are made from linoleum blocks. Draw a simple design on paper. Copy the design, with white paint, on a piece of heavy linoleum. Cut out the design with a knife or gouge. Press some colored paint on a piece of paper or glass. Smooth it out thin with a roller until roller is well smeared, then pass the roller over the linoleum block until it is covered with paint. Place block, paint side down, on card paper and press with rolling pin. Remove the block, and the card is done.



AT LENOX HILL NEIGHBORHOOD HOUSE DELMAR VINCENT TEACHES JOHN AND PAULINE LINOLEUM BLOCK PRINTING




Snow man and woman are a simple, direct message of friendship and fun. When printing is completed, cards may be mounted on larger pieces of colored paper which may be folded over.



Cozy houses, fence, trees make a pleasing and homey design. The large white areas, as well as all the white lines, are the parts cut out on the block, therefore untouched by paint on roller.

LONGINES
the most honored watch
for a
War Bride



The beating heart of every Longines Watch is the Longines Observatory Movement—honored for accuracy and long life

Longines

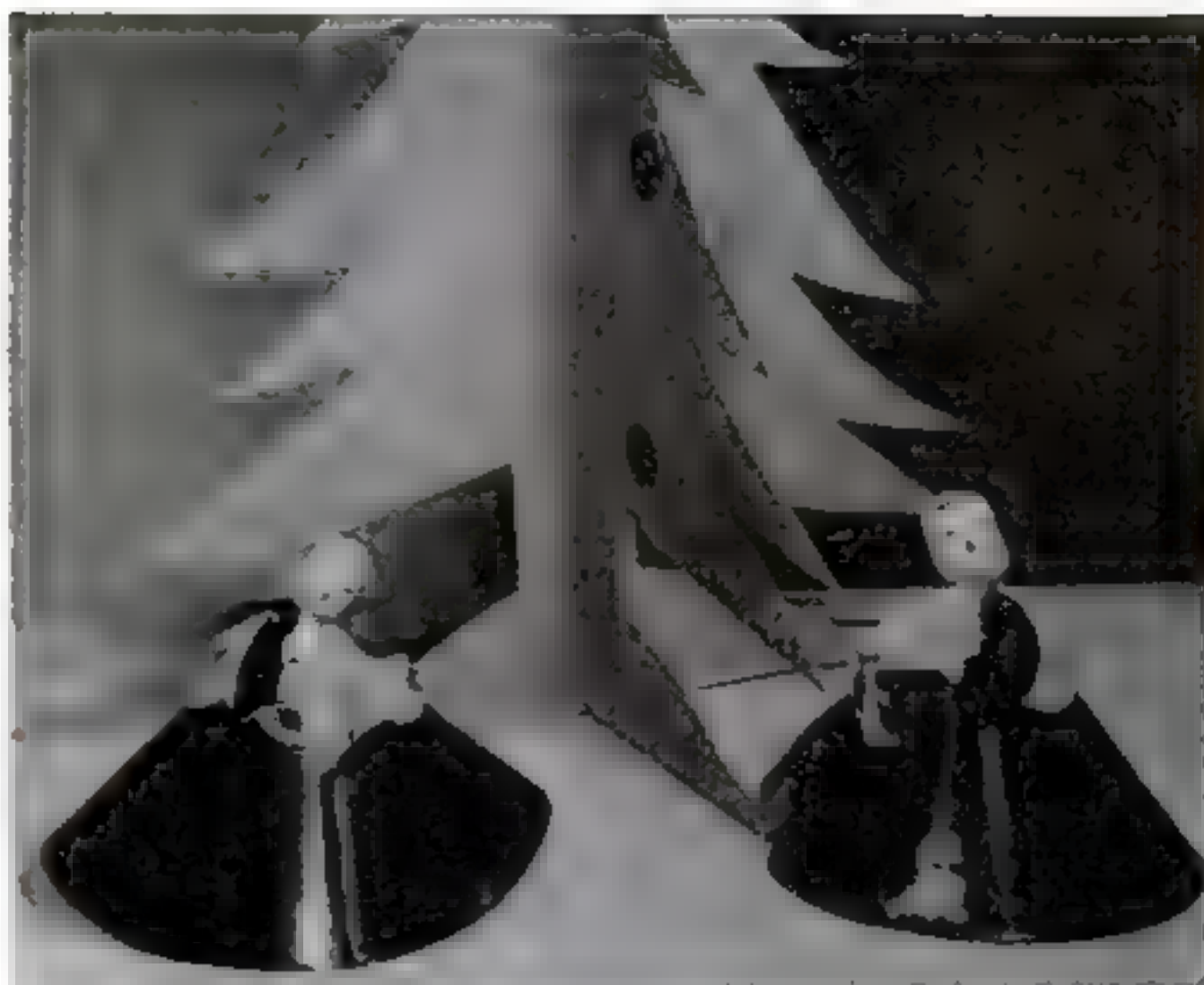
THE WORLD'S MOST HONORED WATCH

Because of the war, only a very limited number of Longines Watches are available for civilians at Longines jewelers. If you want a Longines Watch for yourself, or as a gift, better make your selection soon from the watches now in your jeweler's stock. If you now own a Longines Watch, we urge you to take particular care of it for the duration. Have your Longines' jeweler clean it or adjust it regularly. A companion line to Longines—the Wittnauer Watch—famous for sturdy and dependable construction, is also for sale at Longines jewelers. Longines-Wittnauer Watch Co., Inc., New York, Montreal, Geneva.

*Reg. U. S. Pat. Off.



Longines Watches have won 10 world's fair grand prizes, 28 gold medals



Christmas tree is cut out of cardboard which laundry stuffs into men's shirts. Angels have skirts of heavy paper, heads of crepe paper stuffed with cotton, painted features.



Poster for wall decoration is made of white paper cut-outs of train, chair, girl, etc., pasted on dark paper. Poster hangs from wall light with small cardboard tree shades.



Acorn angels have heads of painted acorns, arms of pipe cleaners, wings of gilt paper pasted at back. Group of angels rests on cotton on cardboard pasted against window.

CONTINUED ON PAGE 144



FLAVOR FAVORITES
For 25 YEARS

Your dog can have a dry food he'll like that's low cost. Get Miller's Dog Foods—rich in dehydrated meat meal, vitamins, cereals, food minerals—with a flavor proved by 25 successful years. MILLER'S DOG FOODS, 1233 State Street, Battle Creek, Michigan.

ASK FOR Miller's KIBBLES

For 1 Pipe Smoker in Every 50

Are you that one man who recognizes that in pipe smoking it's the quality of the tobacco that counts? I can assure you very gladly pays a little more for the pleasure they enjoy in John Middleton's WALNUT. The exclusive Middleman's ending of the world's most famous pipe tobacco is a truly different, many of our pipe smokers. WALNUT is the overwhelming choice of the great pipe men. Ask your dealer for a trial size or send for a sample package. John Middleton, 1233 Walnut St., Philadelphia.

John Middleton's
Since 1856
WALNUT
PIPE TOBACCO

Keeping them Rolling
IN THE RIGHT DIRECTION



★ HULL STREAMLINE COMPASSES

are now pointing the way on U. S. Army motor vehicles. The civilian owner should use his wisely to save miles... take watchful care of it. For the duration, Hull Compasses are only available to the public so far as dealer stocks permit.

HULL MFG. CO., WARREN, OHIO
P. O. Box 246-B12

Safeway BRUSH TOP
SPOT REMOVER

The SPOT REMOVER that cleans clothing, fabrics, home and auto upholstery. 10c and 25c at all 5c and 10c, dept. and drug stores. Or send 25c for large 5-oz. package. Safeway Chemical Co., 6912 Lorain Ave., Cleveland, O.



BRUSHES SPOTS AWAY

YOUR GUESTS MERIT
THIS EXTRA COURTESY



*There is
nothing better in
the market*



100 PROOF

KENTUCKY
STRAIGHT
BOURBON
WHISKY

Famous

OLD FORESTER

BROWN-FORMAN DISTILLERY CO., INC. • AT LOUISVILLE IN KENTUCKY

A M E R I C A ' S G U E S T W H I S K Y

Ride to Comfort with cool shaves



Ingram's helps condition your skin for smooth shaving while it's wilting your wiry whiskers

NOW give your weary chin a change—a permanent vacation from shaves that smart and sting! Ride with cool Ingram's—the quick lathering, whisker-wilting cream that lets your blade coast through your beard without a drag or a detour.

Ingram's gives you a "priority" on COOLNESS—helps condition your skin for shaving as it wilts your whiskers. There isn't a hot spot in a basketload of this soothing, freshening cream! Your face has a cool, refreshed feeling that lingers for hours—looks smoother, younger-looking.

Get Ingram's today—in jar or tube. Either way—it's cool.



Product of
Bristol Myers

INGRAM'S shaving cream



Clay angel is modeled by Kenneth Colgan, 8, at Hudson Guild Neighborhood House. Christ Child, Madonna, shepherds, animals for manger are also made by children.



Candy holder is made of scraps of colored paper. The figure has a stiff paper cone skirt, wire arms (wire also goes through book), stuffed paper head, buckram wings.



Lollipop angel has a lollipop for a head and a small cord for a halo. The dress and the wings are cut out of white paper on which red and blue stars have been pasted.

FILTER in
ROYAL DEMUTH
makes pipe function superbly
ULTRA FINE IMPORTED BRIAR

FILTERS FOR
ROYAL DEMUTH PIPES

\$3.50

Write for chart picturing 18 beautiful all-smooth models, telling benefits of **MARVELOUS PATENTED FILTER**



Also same styles, all-etched, with Eagle or "V" engraved **PATRIOTIC EMBLEMS** specially designed for men in service as well as civilians.

Wm. Demuth & Co., Inc., N.Y.



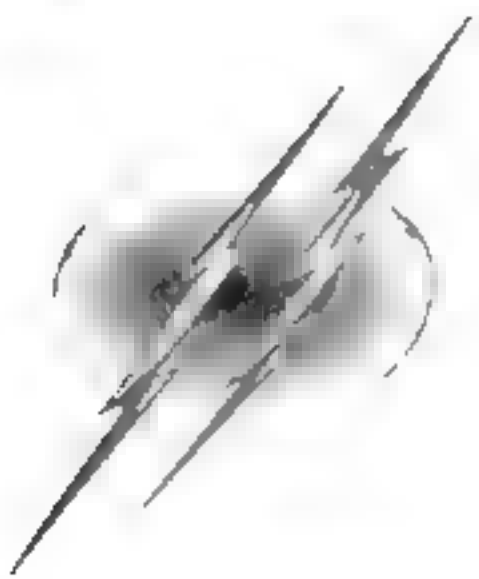
**CHATEAU
MARTIN
BRAND
CHAMPAGNE**

EASTERN WINE CORPORATION NEW YORK, N. Y.

CONTINUED ON PAGE 246



M-H *Miracles* WITH ELECTRONICS




ELECTRONICS bids fair to revolutionize our every day living after the war. When Minneapolis-Honeywell placed its fifty year experience and manufacturing resources at the call of our government, the result of several years of research in electronics was immediately applied to controls and devices for war . . . Extending this peacetime experience to the

techniques of war will bear fruit, when Peace comes, in startling new developments in the electronic control of automatic heating and manufacturing processes . . . Minneapolis-Honeywell Regulator Company, 2919 Fourth Avenue South, Minneapolis, Minnesota . . . In Canada: Toronto, Ontario. In Europe: London, England, and Stockholm, Sweden.

Listen "Alias JOHN FREEDOM" ★ Blue Network Coast to Coast every Monday, 10:15 to 10:45 P. M., E. W. T.; or see your local newspaper ★ "The Most Dramatic Show on the Air"

Instruments by **BROWN** *and Controls by*
MINNEAPOLIS-HONEYWELL

Precious Beauty




Let your ring, like your love, be for always! Choose happily an Art-Carved Ring, created by Wood, whose name has spelled leadership in fine ring-making for nearly a century! Each exquisite design has been wrought to a precious lasting beauty and each fine wedding and engagement ring represents value that is lasting too! At finer jewelers everywhere.

Art-Carved
RINGS STYLED BY J. R. Wood

THE SYMBOL OF QUALITY FOR NEARLY A CENTURY 1850-1942

J. R. WOOD & SONS, INC.
116 E. 45th Street, New York City
Manufacturers and Diamond Importers



REMEMBER—THE MOST IMPORTANT PURCHASE TODAY IS U. S. WAR BONDS



Wrapping presents is great fun. Finished product sometimes looks messy but has advantage of looking personal. Raymond, 3, at Bethany Day Nursery shows how.



Round object was Raymond's problem. Though harder to wrap than rectangle, Raymond mastered it. The bulkier and harder the package, the better children like it.



Job completed, Raymond shows it with understandable pride. Licking stickers is most fun. Raymond kept licking wrong side, soon caught on, smeared gift with stickers.



GET THE MOST FOR YOUR MONEY!

Buy smooth, easy-to-apply Palmolive Brushless in the new glass Victory Jar! 3 oz. for 45¢ at all drug counters. Save money—save tin—save the nuisance of having to return an empty tube—and end **RAZOR BURN!**

Yes! Palmolive Brushless is guaranteed to end stinging, burning shaves—or we'll gladly refund your money!

HERE'S WHY! Only Palmolive Brushless, of all nationally advertised shave creams, is enriched with olive oil! Containing just the right amount of this smooth oil, it actually lubricates your skin. Beard comes off clean and quick—yet your face feels cool, smooth, comfortable! Get Palmolive Brushless—next time you buy.

PALMOLIVE
BRUSHLESS

BUY MORE WAR BONDS

\$45 or \$6.60?

In the Regal Shoe advertisement on page 100, the left-hand shoe is the bootmaker's original, which cost \$45 a pair. The right-hand shoe is the "Regal Reproduction" at \$6.60! Please don't feel bad if you "missed"—even shoe experts have failed to choose correctly between the actual shoes! Stop in a Regal Shoe Store—try it yourself!

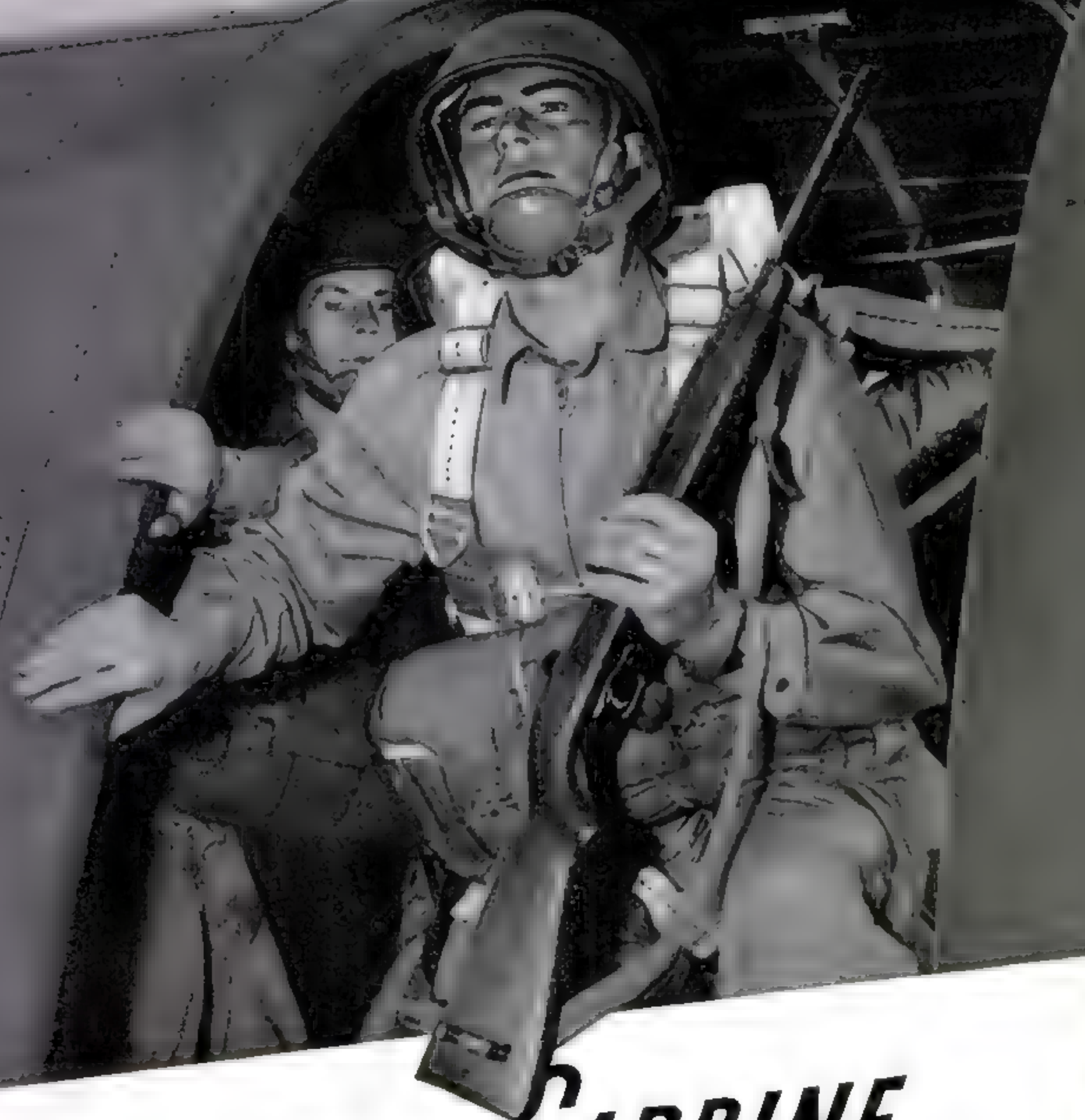
How to KEEP AWAKE ON THE "GRAVEYARD SHIFT"

Thousands of Americans behind desks, driving cars on production lines, use **NuDoz** Awakeners to keep awake, alert and more efficient. When the going gets tough and you have a job to do—*don't take a chance...TAKE A NODOZ AWAKENER!*



Over 30,000,000 NuDoz Awakeners have been used since 1933!

Convenient, easy-to-take tablets! HARMLESS AS COFFEE At your druggist 25c



Note the **CARBINE...**

it's one of the items we're making now
instead of Office Machines

TO OUR MILLIONS OF VALUED CUSTOMERS: No matter what the difficulties, our maintenance service will continue from coast to coast.

We shall continue to provide spare parts, as well as a complete line of carbon paper and ribbons unsurpassed in quality, for every make of office machine.

And we shall continue to devise and suggest methods for conserving your typewriters, adding and accounting machines and for operating these machines with greater efficiency.

★ Enlist Your Dollars Buy More War Supplies To Shorten The Duration

"After 35 years, the Army goes from the pistol to the carbine. This will be the weapon for all officers up to the rank of captain, and for the supporting troops that carried pistols and relied on riflemen for defense. The new Winchester light, short-barreled carbine has range enough to be a weapon of offense, whereas the .45-caliber pistol is purely a defensive weapon. The Winchester carbine is rated high, and is judged to increase the fire power of the infantry regiment by 33 per cent." As reported by a prominent news magazine.

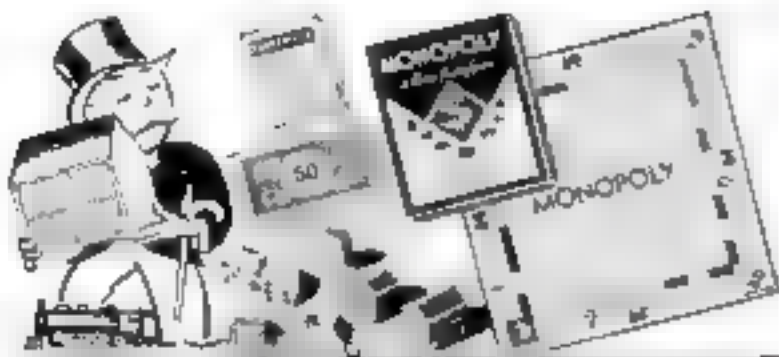
Underwood Elliott Fisher Company, One Park Ave., New York

Carbines are now in mass production by

Underwood Elliott Fisher Company

Former and Future Makers of Typewriters, Adding and Accounting Machines

FAMOUS PARKER GAMES



MONOPOLY

Most popular of the world's great standard games. Sets at \$2; better set No. 8 \$2.50 (2 to 8 players with "Grand hotels"); \$3.50 for famous White-box set with "Grand hotels" and removable "Bank-tray."



ROOK

The Game of Games

The unequalled favorite of millions of players. Unique in its capture of "Count" cards, quick climaxes and exciting play! A delight for winter evenings, 75 cents.



SORRY

A fun-making board game. Full of surprise moves and unusual action. Its unique play is directed by cards. Especially recommended as one of the best board games. \$1.50.



"The Pick Does the Trick." Dig letters from a pile with the Magic Pick, and be first to form a winning word. Any number can join the scramble! The more players, the faster the fun and excitement! De Luxe Edition (12 Players) \$2; Standard Edition (6 Players) \$1.

FLINCH a truly great card game which has leaped to immense popularity. New improved pack of 150 cards, 75 cents. **COM-MANDOS** new board game. Invading barges, exciting raids, warnings and escape—just issued, \$1.50.

AT ALL DEALERS or by mail from Salem.

PARKER BROTHERS INC.
SALEM, MASS. • NEW YORK • CHICAGO



Into a huge sock, instead of under a tree, can go all the family presents. Sock is made of red flannel, toe is stuffed with cardboard. Trim sock with shelf paper and ribbon.



Child's hoops, painted, are basis of this decoration. Fasten one hoop inside the other. Make bow and leaves of red oilcloth, fasten to hoops. Finish with old Christmas balls.



Wheelbarrow can be converted into gift carrier by painting with an easily removed water paint, then dressing up with evergreen sprays and Christmas tree ornaments.

KEEP YOUR LIGHTER

Fighting Fit
WITH A **RONSON**
'5-FLINTER'
15¢



LIGHTERS are going to war, getting harder to replace. Keep your lighter fit. For perfect sparking, get a RONSON 'Five-Flinter'—that clever, compact, convenient slide-drawer packet that houses 8 extra-length RONSON REDSKIN FLINTS (with the distinctive REDSKIN coating) and protects them from loss. Also supplied in smaller and larger packages.

For further super-service, insist on clean-burning RONSONOL Lighter Fuel and high-absorption RONSON Wicks.

for all lighters
RONSON
LIGHTER ACCESSORIES

IMPORTANT. As a wartime measure, RONSON extends its Factory Repair Service to help keep every RONSON in active use. If your RONSON—for pocket or table—needs attention, send it to the factory for servicing at minimum cost. Address: RONSON, Service Department, Newark, N. J.

THIS ABOVE ALL - BUY U. S. WAR BONDS & STAMPS!

FOR MEN OF ACTION
ON OUR FIGHTING FRONT
OR HOME FRONT

No Other Watch Like The
AMAZING NEW
PIERCE PARASHOCK



Truly WATERPROOF
Truly SHOCKPROOF
Truly AIRTIGHT

Permanently shockproof with its patented, shock-absorbing, "VIBRO-STOP" mechanism. Not affected by air pressure in drops from high to low altitudes. Has time-magnifying balancing, luminous dial markings, sweep second hand, ultra-thin, stainless steel back case, unbreakable crystal. Each PARASHOCK registered by serial number for life-long protection.

The Pierce Parashock Watch
The Pierce Parashock Watch
The Pierce Parashock Watch
The Pierce Parashock Watch

PIERCE WATCH CO., 22 W. 48TH ST., NEW YORK, N.Y.
MAKERS OF THE 4-BALL PIERCE Chronograph

Dear Bob:

I want you to know an
old friend of mine—the
most distinguished and
enjoyable companion a man
could have—Johnnie Walker
Black Label.

Scotland, you'll agree,
has fairly outdone herself
in producing this
finest of Scotches.
Truthfully yours,
George



BORN 1820...
Still going strong

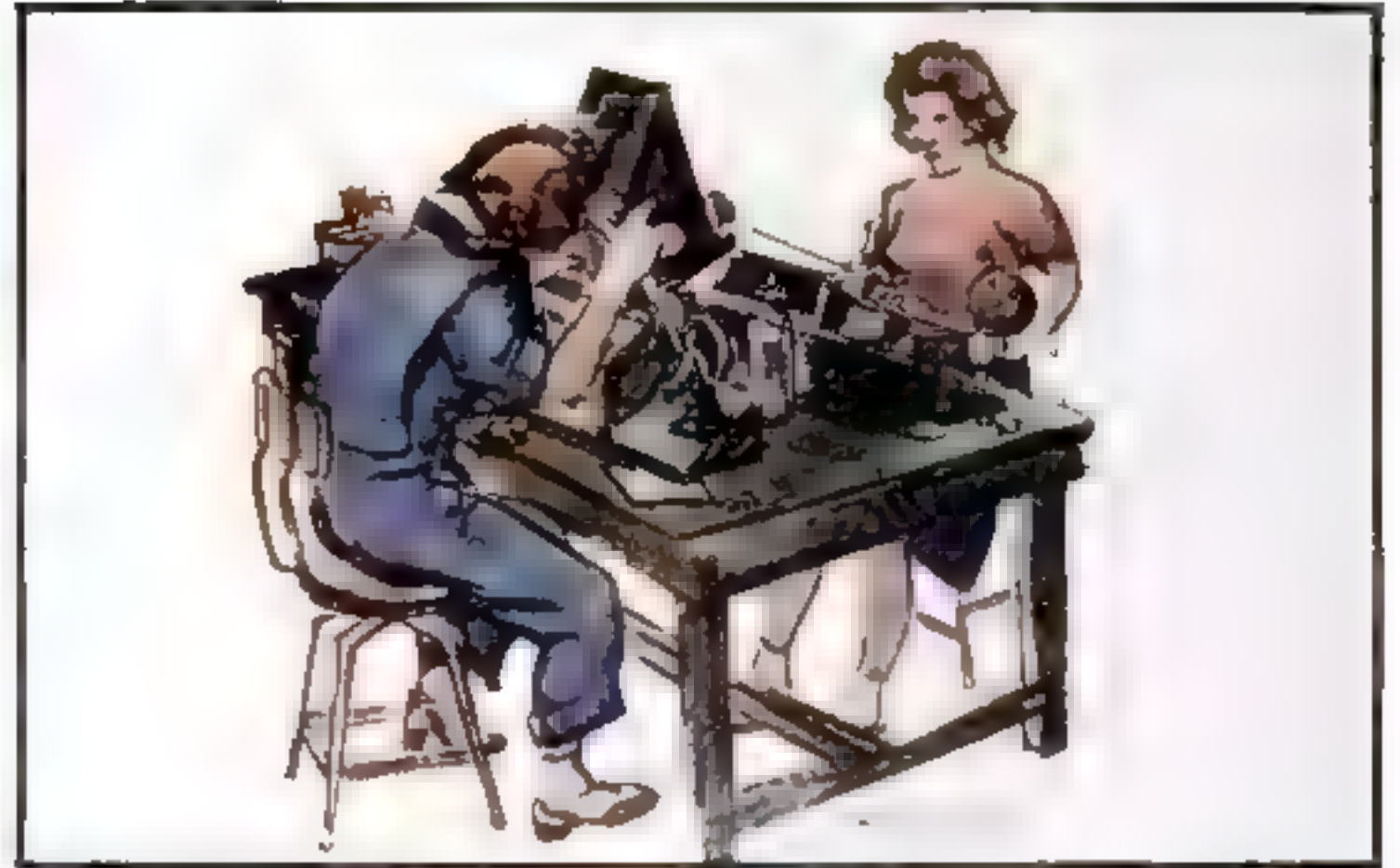
Black Label 12 years old
Red Label 8 years old
Both 86.8 proof



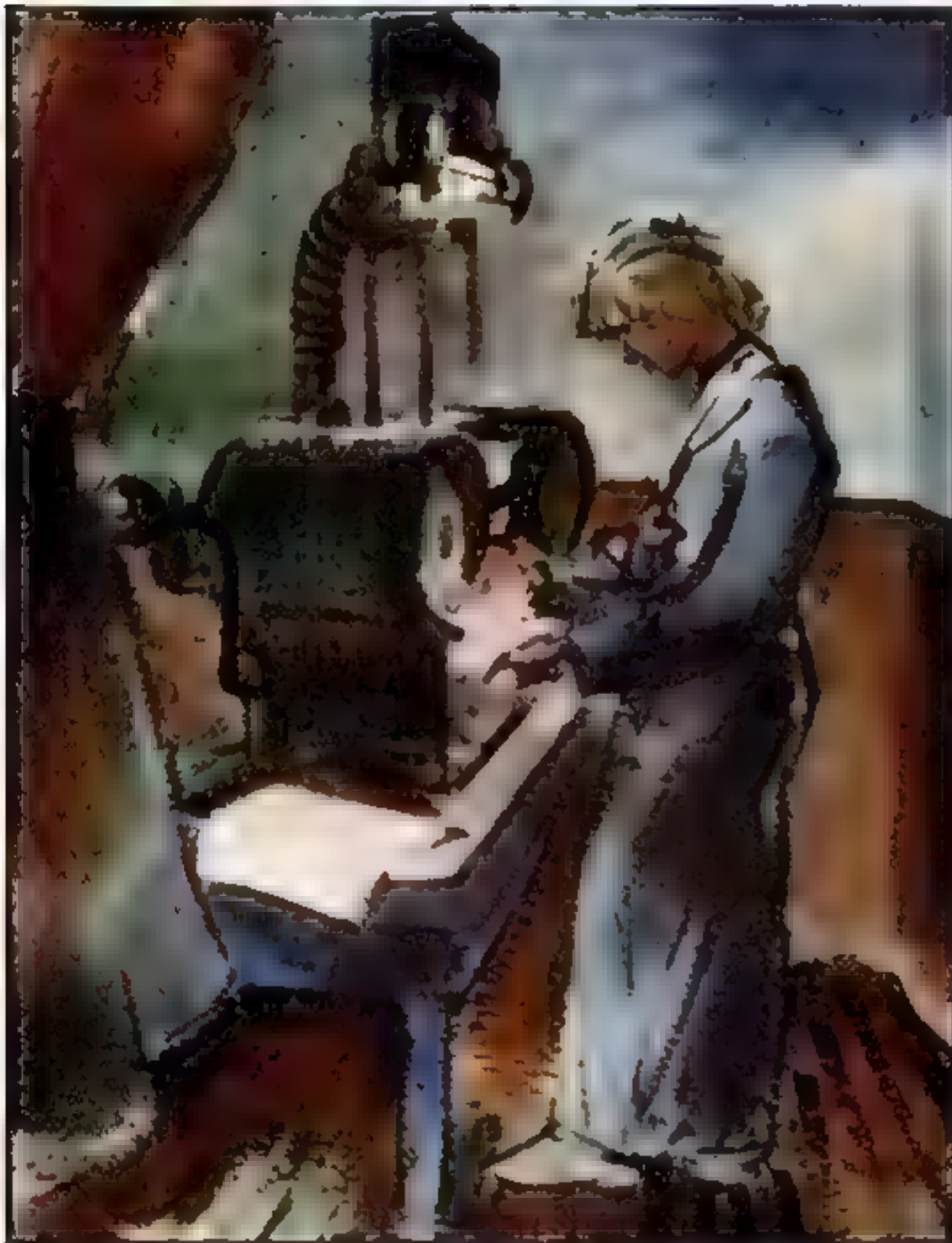
JOHNNIE WALKER
BLACK LABEL
BLENDED SCOTCH WHISKY
12 YEARS OLD



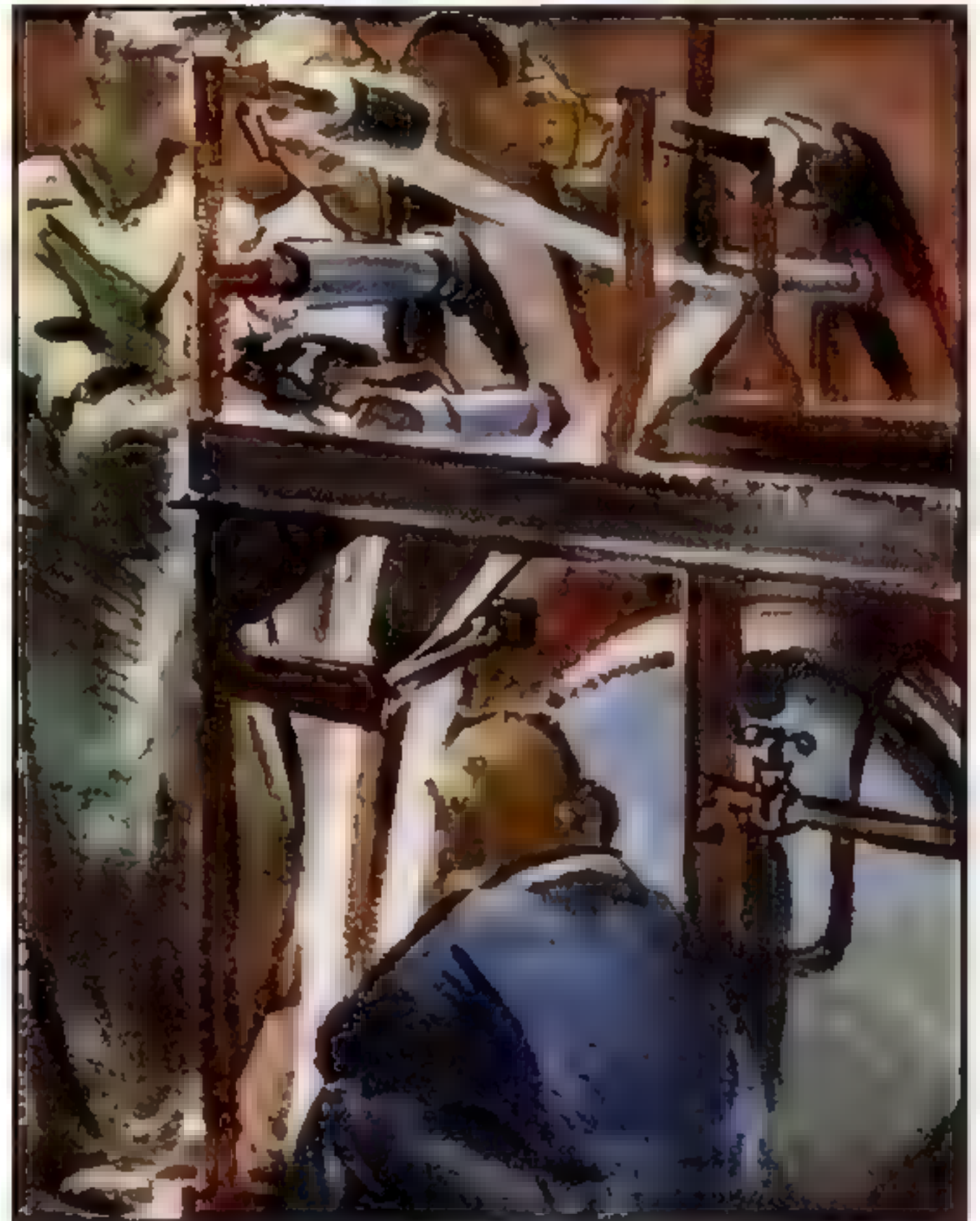
V-Mail is sorted according to destination by Army postal clerks at a West Coast post office. Next letters will be censored, then sent to a special microfilm laboratory for photographing.



After mail is photographed, film is run across a powerful light by girls wearing white gloves. Footage not suitable for reproduction is cut out, retaken, then spliced back into original roll.



Enlarging the film after delivery is also done by girls. Developed V-Mail film runs on overhead spools, synchronizer with moving sensitized paper below on which rolls are projected.



The sensitized exposed paper now goes through this special machine which prints, washes and dries the rolls and finally sends them out to be inspected and cut to individual letter size.



Printed letters are chopped by another special machine, which cuts each letter from the roll so that it can be put into its own envelope and sent on to its destination by regular mail.



Cut V-Mail letters are put into another machine which inserts them in open-face envelopes ready for regular mailing. Machines like this are used in Army post offices at home and abroad.

THAT MAN IS HERE AGAIN...with merry Dubonnet drinks!

For now famous reasons, Dubonnet's the distinguished and practical toast to Christmas, just as it is on every other occasion. It's so economical (a full 31 oz. bottle is very modestly priced); its taste is so distinctive; and it's so versatile that it sparks all eight of the deliciously different drinks appearing on the page. Knowing folks observe the season in good taste with Dubonnet...and nothing makes a nicer gift from friend to friend. Better buy some Dubonnet...and, for best results, serve it chilled!

whenever you drink...drink...

DUBONNET
Permeated from the very finest
sparks your taste

Dubonnet STRAIGHT
serve well chilled, no ice

MERRY WIDOW
one-half Dubonnet
one-half dry vermouth
stir with ice, strain
add twist of lemon peel

Dubonnet COCKTAIL
one-half Dubonnet
one-half gin
stir with ice, strain
add twist of lemon peel

Dubonnet OLD FASHIONED
Dubonnet with ice
slice of orange and pineapple
cherry
dash Angostura bitters

Dubonnet SHERRY
one-half Dubonnet
one-half dry sherry
stir with ice and strain

Dubonnet MANHATTAN
one-half Dubonnet
one-half rye or bourbon
dash Angostura bitters
stir with ice, strain

Dubonnet LIME RICKEY
finger of Dubonnet
juice of half lime shell
add ice cubes
fill with soda and stir

Dubonnet HIGHBALL
finger of Dubonnet
juice of half a lemon
add ice cubes
fill with soda and stir

Dubonnet wine
An Aperitif
MADE AND BOTTLED IN U.S.A.
BY DUBONNET CORPORATION
PHILADELPHIA, PA.
ORIGINAL FORMULA OF
DUBONNET 7 Bar Vermouth Recipe
TRADE MARK U.S.A.
BOTTLED 1900-1901 1902-1903 1904-1905

Dubonnet Aperitif Wine, product of U.S.A., Dubonnet Corp., Phila., Pa.



V-MAIL LETTERS ARE PHOTOGRAPHED ON A SMALL, LIGHT ROLL OF MICROFILM

V-MAIL

The best thing to buck up a fighting man's morale is a letter from home. Old-style letters, packed in bulky mail sacks, had to wait their turn for priority after more vital war goods to be sent to fighting fronts abroad. By the time letters did arrive, they were sometimes months old and had lost much of their interest. Sometimes, due to enemy action at sea, they never arrived at all.

To remedy this, the Army started an experimental microfilm mail service in June which has proved so successful that it is now urging all people in the U. S. to use it for communicating with soldiers abroad. Called V-Mail, the system is fast and safe. The sender writes his letter on a special blank provided at all post offices. This is sent as regular mail and goes to an Army post office on the East or West coast. Here it is microfilmed, then put on a plane to be sent to an Army post office abroad. Special machines enlarge each letter, insert them into envelopes, and they are then sent to their destination. In this way the sender is certain that his letter will arrive and the recipient gets it only a few days after it is mailed in this country.

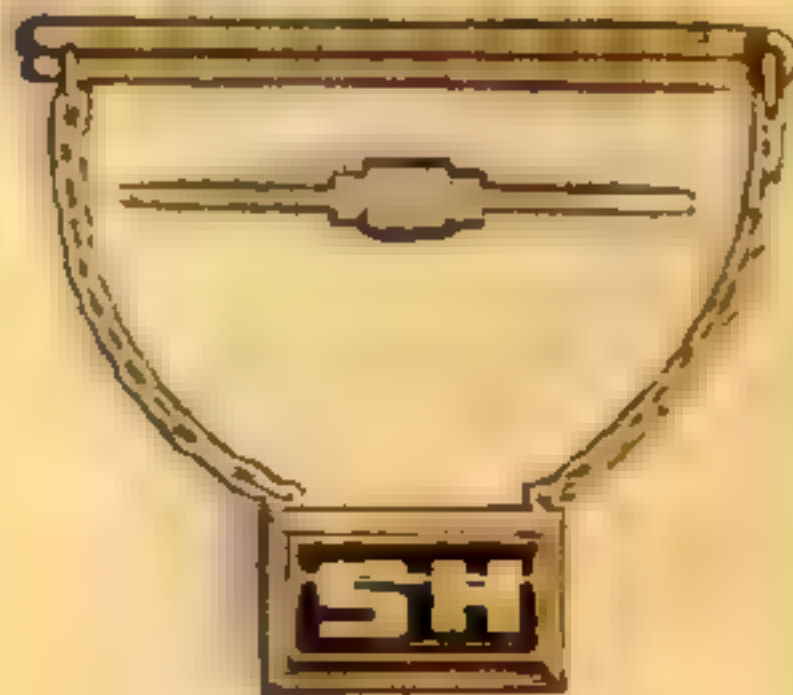


V-Mail letters are put into microfilm machine which can photograph 2,000-2,500 of them an hour. One roll of film will hold 1,500 letters for shipment to men abroad.

CONTINUED



Keep 'em smiling



HICKOK

2 Gifts in 1

... and a gift by Hickok will keep a man believing in Santa Claus! Choose these...or other timely Hickok creations... at the finest men's stores.

Hickok Steerhide belt Famous Hickok buckle with his initial, \$2. In hand, some hand-dog cigarette box.

His 3 initials on Hickok buckle with East India Buffalo Belt, \$4

Sterling silver initial buckle, 10 kt. gold inlay striped. Calfskin belt \$5

Tie chain and collar bar—patented Hickok grip. Tie chain has initials in Stratoline design, \$2.50.

All Handsomely Gift-Boxed

V-MAIL ASSURES SAFETY AND SPEED

Two things that the Army guarantees to senders of V-Mail are that their letters will reach the points to which they are sent and will get there quickly. Because many letters can be put on a few light rolls of film, they can be ferried by bomber or commercial plane. If anything happens to the plane, the letters are kept to be rephotographed and sent out immediately. There is no delay waiting for ship space and the originals are never lost.



The three striped pouches of V-Mail hold as many letters as the row of sacks in the background. Light weight and small size make them ideal for plane shipment.



Original letters are kept at the Army post office until notice is received of the V-Mail's safe arrival. If anything happens, these can be rephotographed and reshipped.

Van Camp's TENDERONI

The new and delicious treat for **MACARONI** and **SPAGHETTI** lovers • Tender—but not dough-y

A balanced, healthful, nutritious meal

Try this easy recipe

TENDERONI and WEENIES

2 quarts water
1 tablespoon salt
1 (6 oz.) package TENDERONI
2 tablespoons butter
1½ tablespoons flour
1 teaspoon additional salt

¼ teaspoon pepper
2 teaspoons prepared mustard
½ teaspoon horseradish
2 cups milk
½ cup buttered breadcrumbs, toasted
6-8 weenies

Cook TENDERONI according to directions on package. Melt butter in a saucepan; stir in flour, and blend well. Add additional salt, pepper, mustard and horseradish. Gradually add milk, stirring constantly, and continue cooking until mixture thickens. Place TENDERONI in a greased baking dish, and pour sauce over all. Top with crumbs. Cut weenies in halves, and prick each with a fork. Arrange upright in TENDERONI around rim of baking dish, then bake, uncovered, in a moderate oven (350 degrees F) 30 minutes. Makes 6 servings.

TENDERONI Makes your meat go further

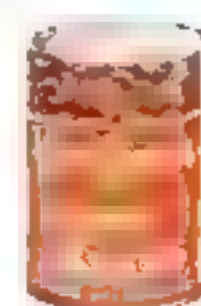


Order from your
grocer, today.

COOKS IN 7 MINUTES

Another delicious dish that wins praises from family and friends... healthful... nourishing... everybody loves it... saves work... worry... time and money. Other new and delicious recipes on package. Another Van Camp's Feast-for-the-least. Quicker, easier, economical.

Made and distributed by the makers of Famous Van Camp's Pork and Beans





GROOM'S FELLOW OFFICERS FORM ARCH OF CROSSED TOMMY GUNS AS COUPLE LEAVES CHAPEL. CEREMONY WAS READ AMID DRONING OF PLANES DIVING OVER NEARBY AIRFIELD

Life Goes to an Army Wedding

Tanks and Jeeps convoy the bridal couple as lieutenant marries at Schofield Barracks, Hawaii



Bride arrives in command car, is assisted by the best man, Capt. Augustus McClintock. Col. Dwight Richardson, commanding officer of Hawaii's Armored Force, gave the bride away



Assorted musicians of the Armored Force cheer when asked if they know the wedding march. Guitars, clarinets, bugles and violins were recruited to provide spirited nuptial music



SHOWERS OF RICE SPEED NEWLYWEDS ON THEIR WAY TO THE BARRACKS. SOLDIERS SPREAD SHEETS OVER DUSTY SEAT OF HALF-TRACK SO BRIDE WOULDN'T SOIL WEDDING DRESS

Members of the Amphibious Force unit at Schofield Barracks, Hawaii, ran off a wedding recently that would have satisfied the most particular social secretary. Using jeeps and half tracks in place of limousines, overseas caps and tommy guns instead of top hats and canes, they carried out all details with finesse.

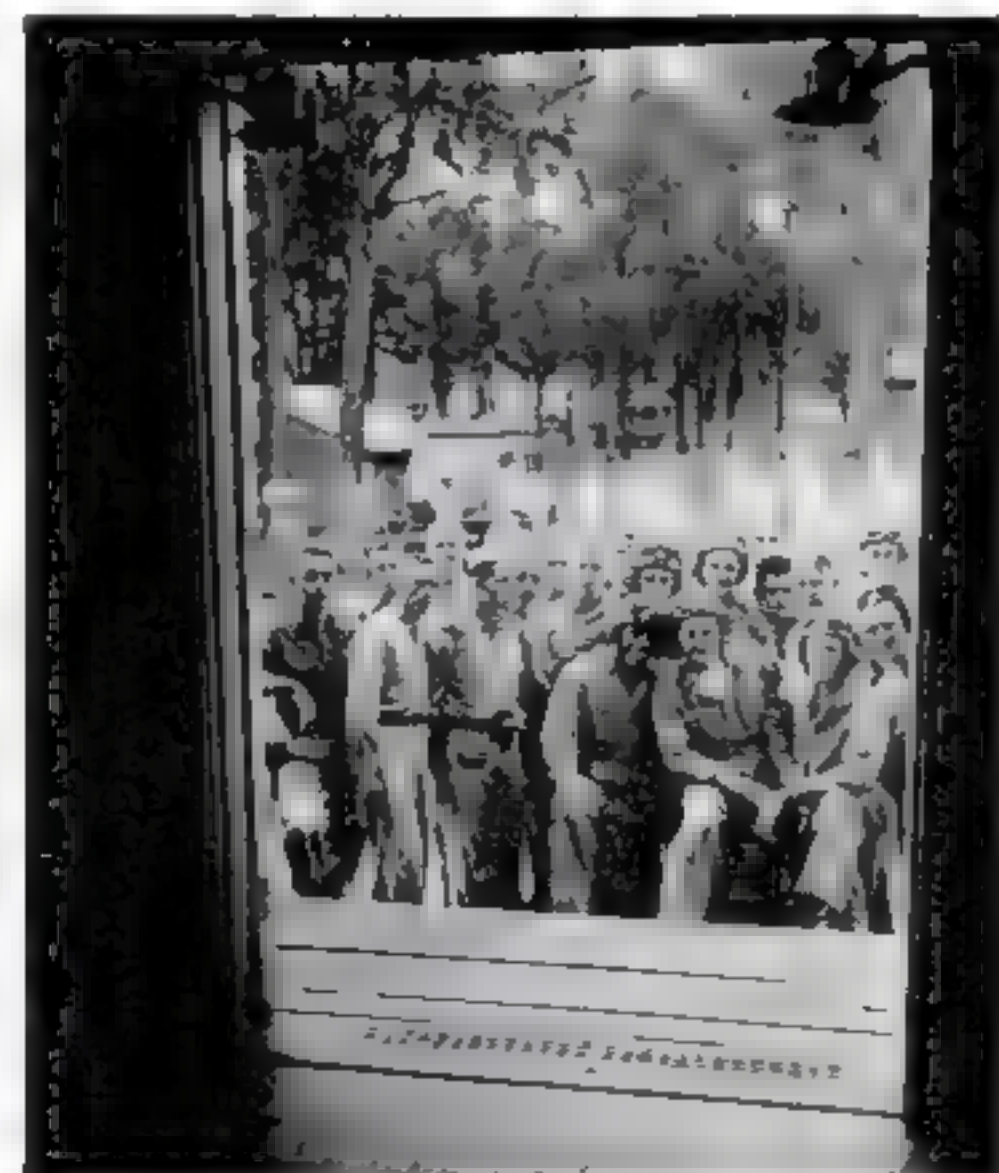
Principals in ceremony were First Lieutenant Donald Bratton, son of Eastern Air Lines Vice President Paul Bratton, and Frances Vasconcellos, stenographer at a nearby airfield, who was born on the islands and met her husband at a boxing match in Honolulu.

Helmeted tank drivers and guns-carrying officers ar-

rived at the tiny post chapel on half tracks and tanks. The chaplain drove up in a jeep and the bride's sister, who attended her, stepped out of a command car. The uniformed guests formed an archway of tommy guns for the couple and commandeered a line of armored cars to escort them to their quarters after the ceremony.



Tommy guns are stacked neatly in vestibule of camouflaged chapel. Tank-riding chaplain reads the marriage ceremony.



Wistful guests are tank and half-track drivers who won't enter chapel because they are grimy from the day's activities.



Half-track bristles with machine guns and traditional honeymoon legends chalked on by bridegroom's capricious friends.

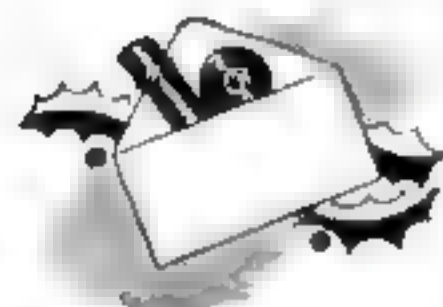
PERFECT SOLUTION

for that ultra-chic
yet thrifty gift!



This Christmas—perhaps more than ever before—you'll find more names on your gift list—not for *expensive* presents—but for thoughtful practical little remembrances to new girl friends you've met thru the war effort—mothers whose sons are overseas—or just old school chums with whom you always "exchange."

Give this Different—Highly Original Present



Buy a Louis Philippe ANGELUS Lipstick and Demi-Deb Size Rouge Compact (in matching shades for complete color harmony). Both together cost only 98¢. Due to the War—The House of Louis Philippe has eliminated gift packages and boxes. But here's how to be gaily original as well as patriotic.

Just take a Christmas card or plain envelope—make it cheery as can be with holly, seals or ribbon. Then slip this exquisite combination gift inside.

You'll find this de luxe, *different* little gift will delight the most "hard-to-please" female. She will readily recognize the *exclusive* House of Louis Philippe. She will adore the beautifying qualities and flattering shades. At all cosmetic counters.

Louis Philippe

ANGELUS LIPSTICK—ROUGE—FACE POWDER—CREMES

Life Goes to an Army Wedding (continued)



Command cars, jeeps, tanks and half-tracks join procession blocks long enroute to Brattain's new home on the post. Soldiers cheered and threw rice along the way.



Bride jumps lightly from the half-track after handing bouquet of native flowers to her bridegroom. She wore blue sports dress and matching hat, spectator pumps.



Vacuum cleaner is wedding present proudly delivered by men of Lieutenant Brattain's platoon. He is reconnaissance officer for battalion, is popular with his men.



Wedding guests, all in uniform, join the couple in their modest new home. There was no honeymoon, bride set up housekeeping immediately with new vacuum cleaner.



Bride is carried over the threshold in traditional style by happy bridegroom. She has never been in the U. S., hopes to visit her new parents-in-law soon in Washington.



Toast is proposed by a captain in Lieut. Brattain's company. Champagne was lacking; bottom of glass coffeemaker served as informal loving cup of bourbon and soda.



Van Heusen Shirts

IN THE HANDSOME *Free* HOLIDAY BOX

The gift a man would choose himself... because they're tailored with his Five Favorite Features:

1. FAMOUS NON-WILT VAN HEUSEN COLLAR ATTACHED.
2. ACTION-ROOM AT ARMHOLES, ELBOWS, SHOULDERS.
3. SHAPED BODY-CUT, TAPERED AT WAISTLINE.
4. WELL-ANCHORED BUTTONS, REINFORCED BUTTONHOLES.
5. FINER FABRICS, LAUNDRY-TESTED, SANFORIZED.

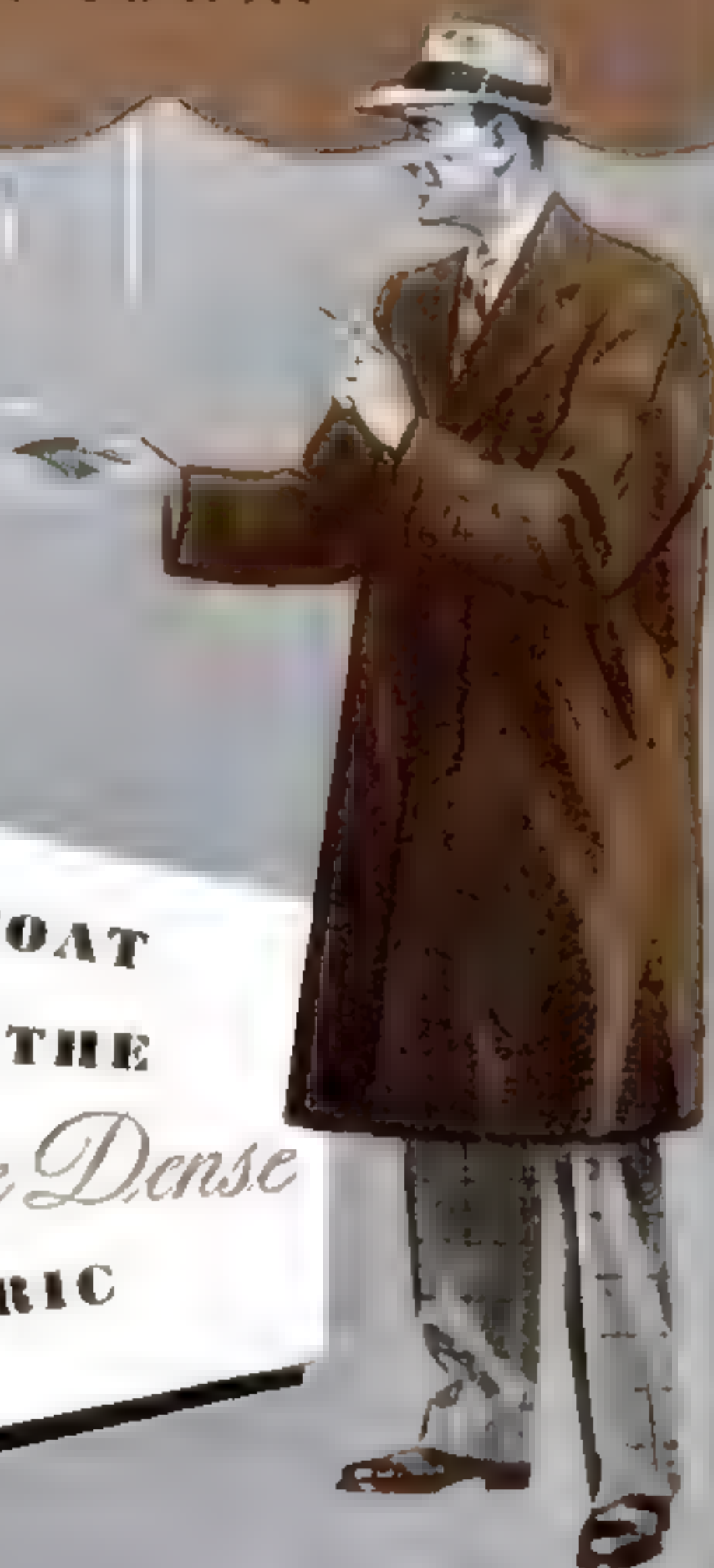


Phillips-Jones Corp., N.Y., Makers of Van Heusen Shirts, Collars, Ties, Pajamas and Sportswear

THE BEST

Double Feature

IN TOWN!



THE COAT
WITH THE

Double Dense
FABRIC



You'll say this double feature is worth an Academy Award! For the Double-Dense fabric of an Alpagora Coat gives you soft luxury and rugged resistance to wear, as well! Why? Because every square inch of its surface contains twice the number of hair fibres you find in the average coat fabric! And if you ask any textile scientist, he will tell you that means a softer, richer fabric and many months more of wear. See an Alpagora Coat today in your favorite model and color.

TOPCOAT. \$32.50 OVERCOAT. \$37.50

GENUINE

Alpagora

At better stores everywhere or write
STRATBURY MANUFACTURING CO., GALION, OHIO



PICTURES TO THE EDITORS

LONESOME POINTERS

Sirs

It's hard enough for children to understand why their brothers and uncles don't come home after they've gone away to an Army camp—but just try to explain the situation to the dogs that are left behind.

For the past three years these two fine pointers have gone quail hunting with their master in the Georgia woods and fields. This year, on the opening day of the season, I found them both before his

hunting coat and cap, waiting for their whistle that meant they were going out again.

After taking their picture, I tried to tell them that he was away across the seas, hunting bigger game this year. But it didn't do much good. As you can see by their lonesome eagerness, they refused to believe that their beloved master would go off after Japs and Germans in preference to their company after fat, brown quail.

PEARL HALL

Aeworth, Ga.





Nutrition First Class

Vitafied Rice
TAKES ON NEW
Importance



Make it one of Life's
Sparkling Moments
Great Western
AMERICAN CHAMPAGNE
PLEASANT VALLEY WINE CO., SHIRAZ, N.Y.

FREE! Great New
Tobacco Blend
Postcard brings you absolutely Free
generous sample-package America's
Newest Smoker's Treat—"Three
Squires Pipe Mixture" Reg. price
15c. Address "Three Squires",
Dept. B, 191-4th Ave., N.Y.C.

**Watch for
products**
**ADVERTISED IN
LIFE**
**at your
favorite stores**

**Now She Shops
"Cash And Carry"**

Without Painful Backache
Many sufferers relieve nagging backache
quickly, once they discover that the real
cause of their trouble may be tired kidneys.
The kidneys are Nature's chief way of
taking the excess acids and waste out of
the blood. They help most people pass
about 2 pints a day.
When disorder of kidney function per-
mits poisonous matter to remain in your
blood, it may cause nagging backache, rheu-
matic pains, leg pains, loss of pep and en-
ergy, getting up nights, swelling, puffiness
under the eyes, headaches and dizziness.
Don't wait! Ask your druggist for Doan's
Pills, used successfully by millions for over
40 years. They give happy relief and will help
the 15 miles of kidney tubes flush out poison-
ous waste from the blood. Get Doan's Pills.

PICTURES TO THE EDITORS

(continued)

SLEEPY KOALA

Sirs:

The first thing American soldiers ex-
pected to find in Australia were kanga-
roos. Instead we discovered the national
animal of Down Under was the cute
little koala bear. Here's one I found
fast asleep up in a tree, all tired out
after a day of hard work. He didn't
know I took his picture.

A. W. BEEMAN
Captain, Q. M. C.

A. P. O. 501
San Francisco, Calif.



JUGGED ROOSTER

Sirs:

You've heard of a turkey in the
straw but I bet you've never seen a
rooster in a jug. This one was placed in
his cage at the age of 10 days and has
grown normally ever since. He has two
holes near the base of his glass jug
which he uses for eating and drinking.

O. E. WEBSTER

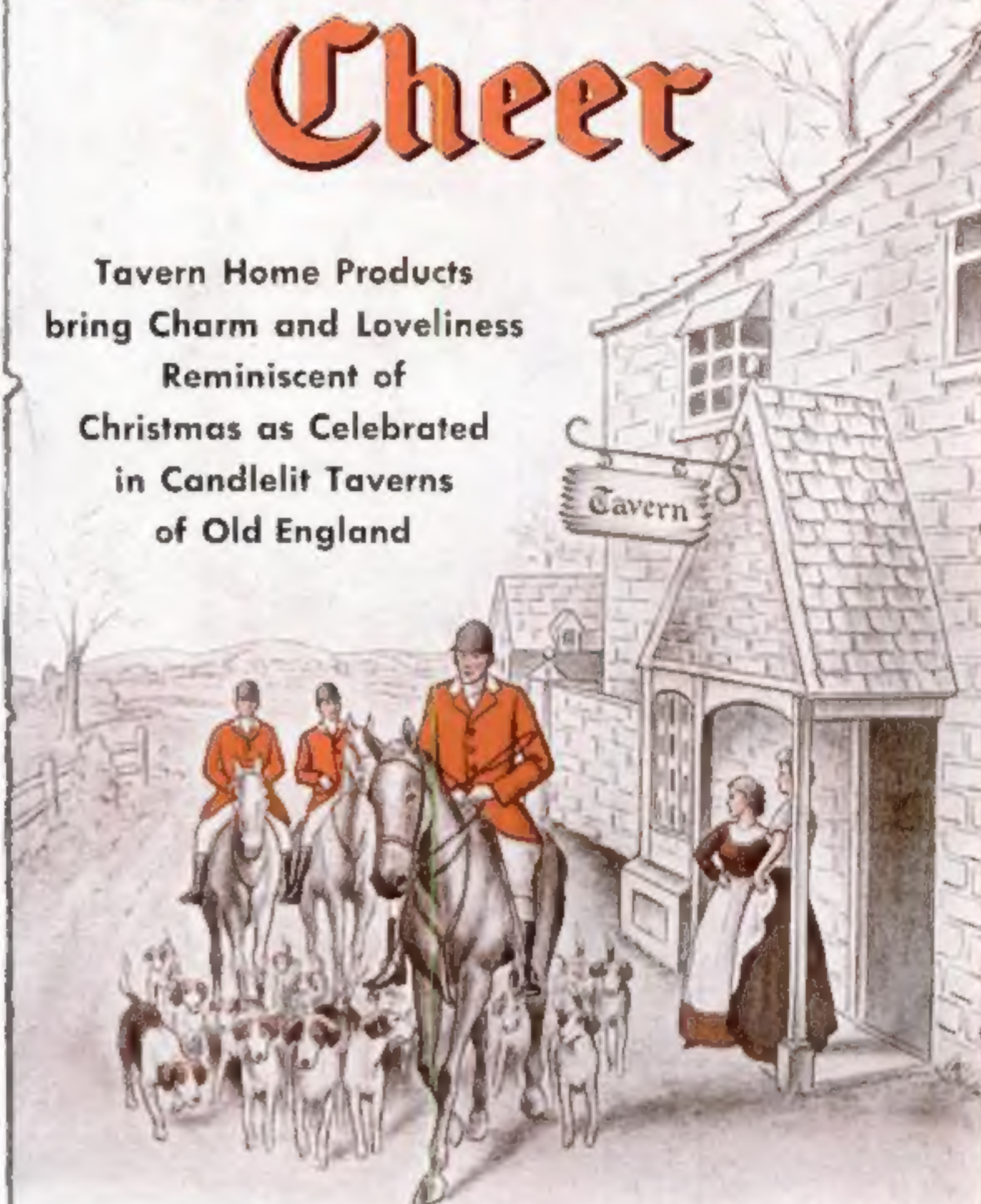
Salina, Kan.



MODERN AIDS TO OLDE TYME

Christmas Cheer

Tavern Home Products
bring Charm and Loveliness
Reminiscent of
Christmas as Celebrated
in Candlelit Taverns
of Old England



This quaint English countryside scene appears on all packages of Tavern Home Products.

TAVERN CANDLES—Decorate your
home and table with TAVERN hand-
dipped candles. Also quaint novel-
ty candles made in the shapes of
appropriate Christmas characters.

TAVERN NON-RUB FLOOR WAX—
Makes holiday entertaining easier.
Just spread it on, and it dries to
a satin-like lustre in 20 minutes.
For those who favor a buffing-type
wax, use TAVERN LIQUID WAX or
TAVERN PASTE WAX as preferred.

TAVERN PAINT CLEANER quickly ban-
ishes smudges and dirt from paint-
ed walls and woodwork. You can
use it regularly without harming
your hands or dulling the lustre of
the finish. Comes ready to use.

TAVERN RUG CLEANER will come in
handy for ridding rugs and uphol-
stery of spots that may result from
holiday entertaining. It's quick-
lathering . . . will not harm your
finest fabrics.



ALSO—TAVERN WINDOW CLEANER • TAVERN
FURNITURE GLOSS • TAVERN LUSTRE CLOTH
TAVERN LEATHER PRESERVER

Ask for Tavern Candles and Tavern Home
Products at your favorite store.



TAVERN

Home Products

BY SOCONY-VACUUM

"Keep 'Em Rollin' ...or Else!"

says grandpappy engine 2414
to a 1942 Santa Fe Freight Diesel



"Back in '98, in the Spanish-American War," reminisces little Old-Timer 2414, "20 cars was an average-length freight train. By World War I, we'd upped our Santa Fe freights to an average 33.9 cars. Not bad railroadin', that."

"Not bad is right," answers the big new freight Diesel, "but not good enough for World War II. Now we've stretched 'em out another 41%, to 50.9 cars, and those cars are bigger, loaded heavier, and rolling farther and faster."

"Good work, son," says Old-Timer. "Yours is the BIG war job. Keep 'em rollin'—or else!"

KEEP 'EM ROLLIN'—OR ELSE

★ No nation that does not possess efficient mass transportation can hope to win a modern war. In America that mass transportation job is squarely up to her railroads. *If they fail, we lose.*

Neither battle gallantry nor indus-

trial wizardry alone will turn the tide. To meet this tremendous responsibility, we ask for every possible consideration in the allocation of materials for vitally essential repairs, maintenance and new equipment.

DAILY THE LOAD INCREASES

To date, the railroads have met 100% the staggering demands born of this global war. Many have helped make that record possible—the War Department, the Office of Defense Transportation, civilian shippers and travelers everywhere.

In the first six months of 1942, with 25% fewer locomotives, the Santa Fe moved 94% more freight ton-miles and 27% more military and civilian passenger miles than in the first six months of 1918, in World War I.

Daily the load increases. No man knows what the peak will be. We do know there is a limit to the performance that can be squeezed out of existing equipment.



SANTA FE SYSTEM LINES

PICTURES TO THE EDITORS

(continued)

FAKE COED

Sirs:

The most exclusively female gathering at the University of Oregon is the annual "Coed Capers." The boys in Sigma Hall decided a few weeks ago that at least one man ought to see the show, even if he had to go dressed as a woman. So they persuaded Paul (Pauline to you) McFaddin to try on a wig, sweater and skirt and whatever girls wear under that and see if he'd pass the test. They tried him out a few days before the show and he was so good that two soldiers tried to pick him up!

The night of the "Capers," "Pauline"

showed up at the door all dolled up in frills and lipstick. The coed cops passed him without a word and he settled down to see the first half of the show with a clear conscience. But that was as far as he got. Somebody tipped off the cops that a male was in the audience and at the intermission they yanked the hair right off Pauline. He went out much faster than he came in.

I think Pauline would fool almost anybody. Try to find her in the group below. To save you trouble I'll tell you "she's" third from the left. The bottom pictures show "her" before and after.

DON W. JONES

Eugene, Ore.



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America's Christmas Toast for 1942

*Come, glasses high—and let the pledge be gay:
Come, pledge America in the oldtime way.*

*Here's to the faces we're missing tonight.
Here's to the cause—the just, the right.
Here's to a speedy Victory . . .
Here's to Peace unendingly.*

*Here's to stout friends who with us share
Each bright hope and each lonely care.
Here, above all, is to that Christmas Day
When all will be home again to stay.*

*Yes, glasses high—and let the pledge be gay
Because you know they want it that way.*

No other whisky in all the world tastes like Canadian Club, yet its unique, delightful flavor pleases all tastes. Distilled and bottled at Walkerville, Canada. Imported by Hiram Walker & Sons Inc., Peoria, Ill. Blended Canadian Whisky. 90.4 proof.



Canadian Club
Copyrighted material

HERE'S ANOTHER WAY to give hours—days—of Camel's milder, tastier smoking pleasure—the Camel Holiday House containing four boxes of the popular flat fifties (200 cigarettes). This gay gift package (below), with space for your Christmas message, makes any other wrapping unnecessary.

CAMEL

TO MILLIONS of smokers, to many of your friends, Christmas isn't quite complete without a gift of Camels. Make it complete with a carton (left)—the famous Camel Christmas Carton of 10 packs of 20's that says "Merry Christmas" in every flavorful puff. It's ready to give, handsomely packaged, with space for your holiday greeting.

HE'LL BE PROUD to receive, you'll be proud to present this Christmas-packaged pound canister of mild, tasty, cooler-burning Prince Albert Smoking Tobacco (below). The National Joy Smoke always gets a joyous welcome—so rich-looking in its Christmas jacket—richer-tasting in his pipe!

Camels
FOUR BOXES OF FIFTIES

CAMEL

PRINCE ALBERT

CRIMP CUT
LONG BURNING PIPE AND
CIGARETTE TOBACCO

Yours for a
good Christmas—
and the very best
in smoking pleasure

CAMELS. It's fun to give Camels for Christmas because you know your gift will be so genuinely welcome—doubly welcome to those lads of yours in the service...over here—or over there. For cigarettes are their favorite gift—Camel, their favorite cigarette. Remember *all* your friends this Christmas with Camels—the cigarette of costlier tobaccos.

PRINCE ALBERT. Give him Prince Albert if he smokes a pipe. Give him the big pound of P. A. that spells smoking joy far into the New Year. Whether he's at camp, at sea, or at home, he'll welcome the National Joy Smoke. For mild, cool, tasty smoking, there's no other tobacco quite like Prince Albert.